By AMIRIDIS – SAVVIDIS S.A.

23" Wide Screen LED TV

MODEL:FL-23150D

Instruction Manual

Read all of the instructions before using this TV and keep the instruction manual in a safe place for future reference.

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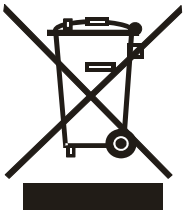
Caution

The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of un-insulated “dangerous voltage” within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to the persons.

The exclamation point within an equilateral triangle is intend to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



NOTICE ABOUT RECYCLING

Your product is designed and manufactured with high quality materials and components which can be recycled and reused.
This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste.
Please dispose of this equipment at your local community waste collection/ recycling centre.
In the European Union there are separate collection systems for used electrical and electronic products. Please help us to conserve the environment we live in!

This unit complies with European safety and electrical interference directives.

Safety Information

CAUTION
RISK ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE
PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS POLARIZED PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

Important Safety Instructions

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ Apparatus combination to avoid injury from tip-over.

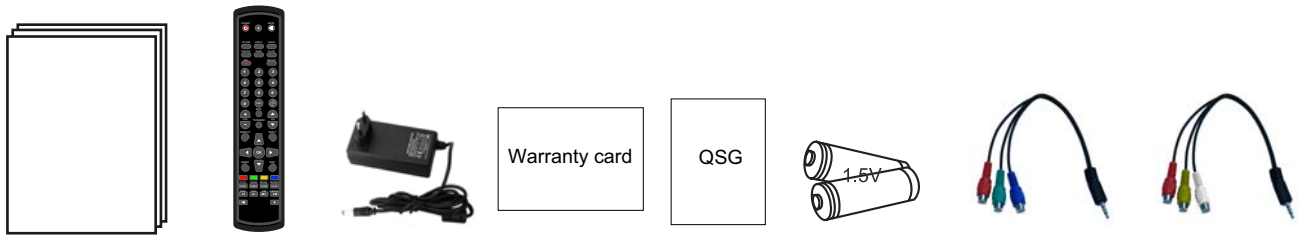
13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15)The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
16)The mains plug or appliance inlet is used as the disconnect device, remain it readily operable during the apparatus normal use.

Class I apparatus shall be connected to a mains socket outlet with a protective earthing connection.

WARNING: The battery (battery or batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.

WARNING: Excessive sound pressure from earphones and headphones can cause hearing loss.

Accessories



User's Manual | Remote control | Adapter | Warranty card | QSG | AAA Batteries | Mini YPbPr cable | Mini AV cable

* Note: The configuration of the components may look different from the following illustration

Technical Specification

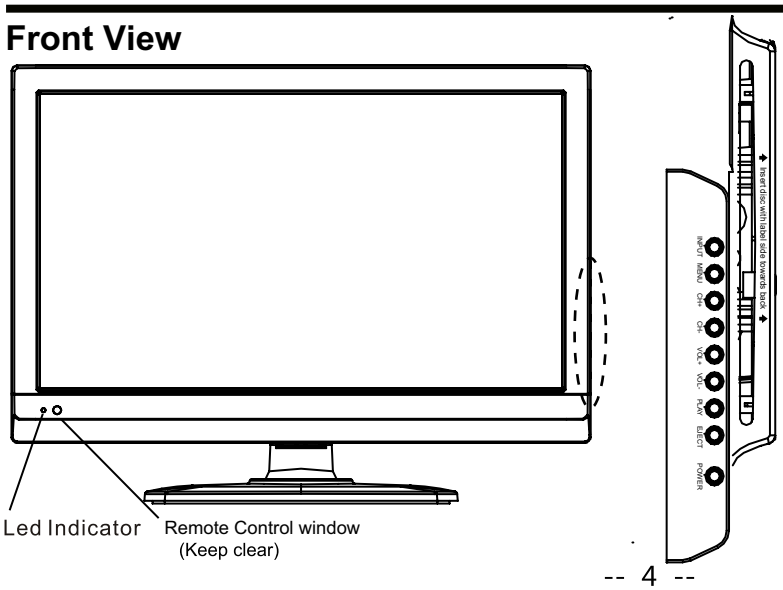
- TV System	PAL(B/G,D/K,I) SECAM(B/G,D/K)
- Screen Size	23 inch(diagonal)
- Resolution	1920x1080
- Aerial input	75 Ω (unbalanced)
- Audio output power	2x3W
- Power Consumption	12V ⎓ 3A

Remote Control

Type	infrared
Control distance	5m
Control angle	30 ^{0} (horizontal)
Batteries	2 x 1.5V, size AAA
Recommended USB standard	USB2.0
USB file system	NTFS FAT16 FAT32(Maximum supported hard disk size: 1T)

Product Introduction

Front View

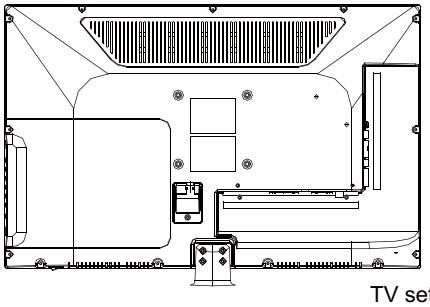


INPUT: Press to display the input source menu.
MENU: Press to display the OSD menu, press again to exit the menu.
CH+/-: Press to scan through channels.
VOL+/-: Press to adjust the volume.
PLAY: Play/Pause DVD program.
EJECT: Load/eject DVD disc.
POWER: Turn on/standby the TV set.

Product Introduction

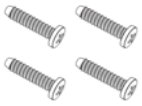
Install the TV Base

1. The parts needed for installing the stand (supplied)



TV set

Stand



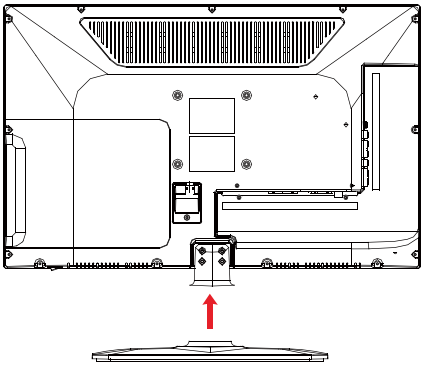
Screws(supplied)
4 x ST4 x 10F

Before installing the stand, please check that you have all of the parts and that there is no visible damage. If a part is missing or appears damaged, please contact customer service.

2. How to install the Stand?

Place the TV face down on a soft and flat surface (blanket, foam, cloth, etc.) to prevent any damage to the TV.

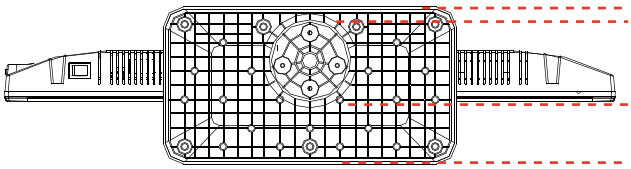
Put the Stand to the neck of the TV set as shown below.



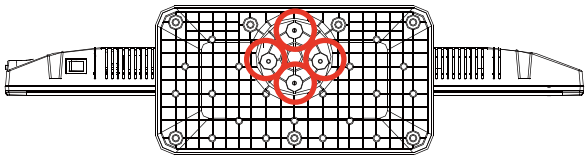
1. Before you put on the stand, please make sure the direction is correct as shown below.

2. When you are putting on the stand, please make sure the neck of the TV set is in the correct position and attached tightly.

If you do not attach the stand correctly, it will make the TV unstable and may tip over.



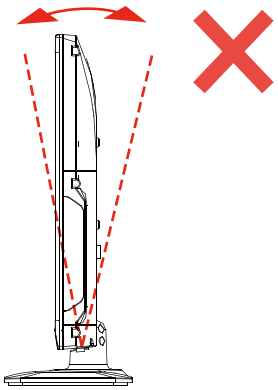
Attach the stand with the supplied screws.



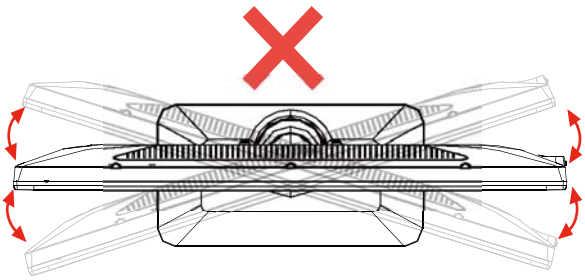
When attaching the stand, make sure the screws are attached tightly.
If the screws do not attach tightly, it will lead the TV to be unstable or may even tip over.

3. Warnings.

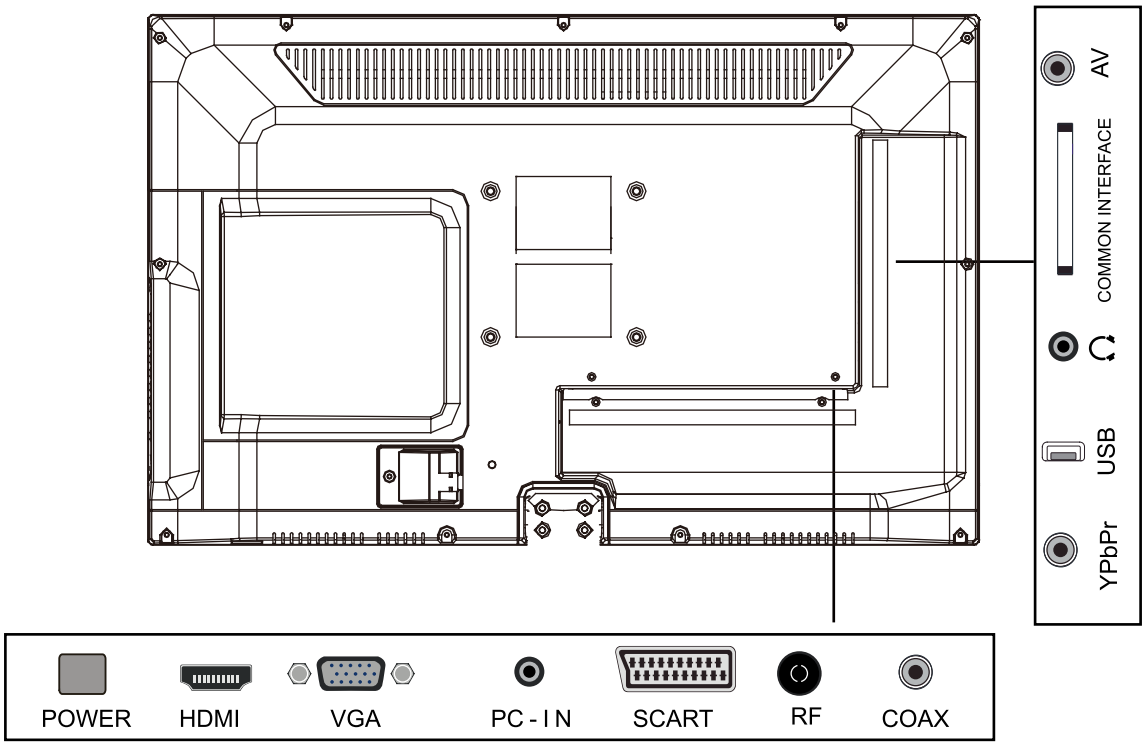
a. It can not be tilted to the front or back as shown below. Doing so may damage the stand.



b. It can not be tilted to the right or left as shown below. Doing so may damage the stand.



Connections



POWER: Connect to the power adaptor.

HDMI: Connect it to the HDMI of DVD or other equipment.

VGA: For PC display.Connect it to the D-Sub 15 pins analog output connector of the PC.

PC-IN: Connect it to the audio output terminal of PC.

SCART: Connect to extermal equipment with SCART socket, The SCART interface offers RGB, AV singals with audio input/output between the TV and extermal video equipment.

RF: Connect antenna or cable 75 Ohm coaxial to receive TV signal.

COAX: Connects to the audio jack on the digital/standard 5.1 audio system.

YPbPr: Connects to the DVD player,Digital Set-Top-Box,or other AV equipment with component (YPBPR) video.

USB: Allows access to digital ontent stored on a USB storage device.

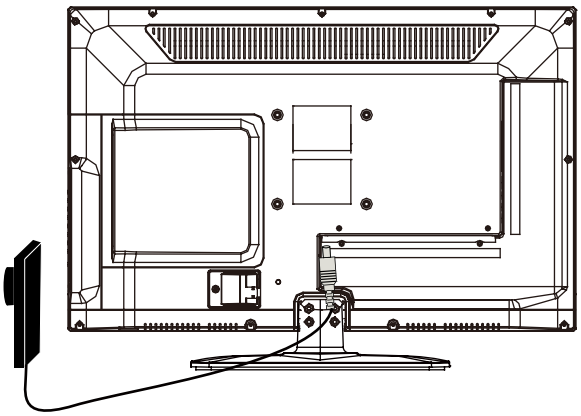
Headphone: Connect it to your headphone or other audio equipment.

COMMON INTERFACE: Insert the CI card into the slot.

AV: Connects the Video output jack of DVD or VCR.

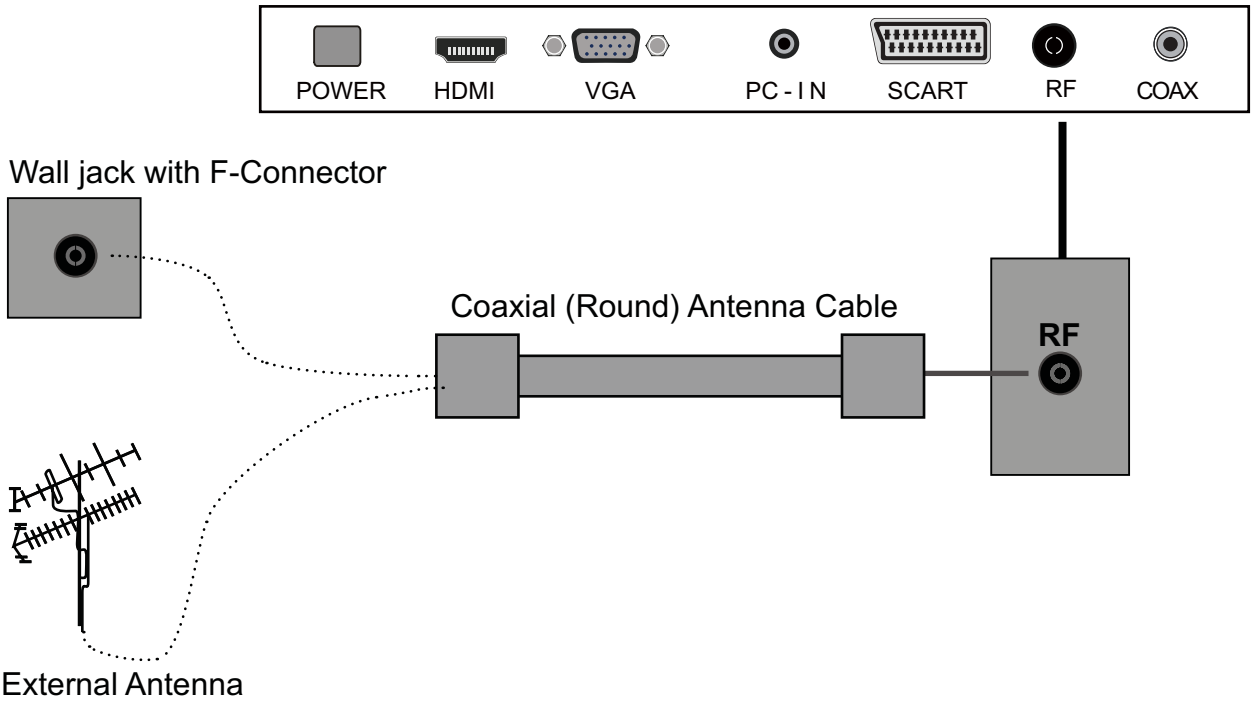
Connection

Power adaptor Connection



- Connect the power adapt correctly as shown with the mains cable.
- When you connect the power, the TV set comes into standby mode and the LED indicator lights red.
- You could bring the TV out of standby mode by press the ⏻ POWER button on TV set or remote control, and the LED indicator lights green.

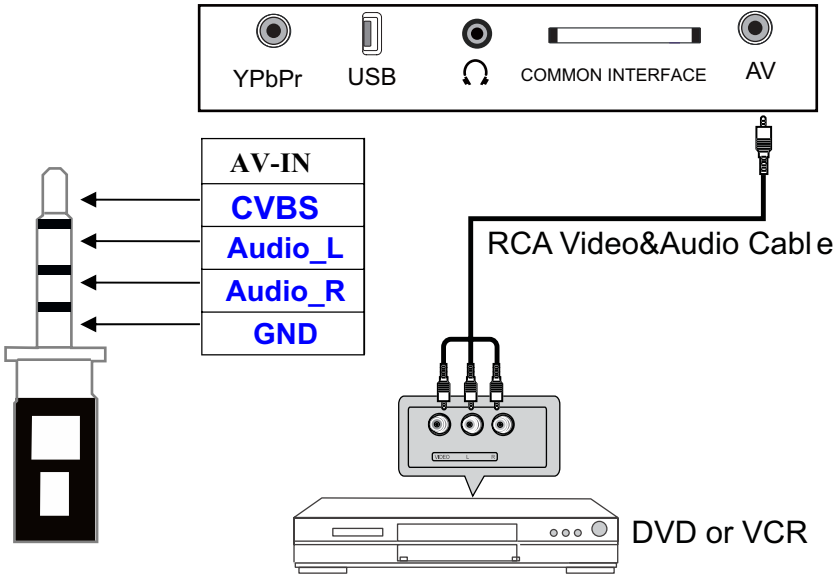
Antenna(RF) Connection



Press **INPUT** button on the remote control to display the input source menu, press ▲/▼ button to select **ATV/DTV**, then press **OK** button to confirm, and you will receive the signal.

AV Input Connection

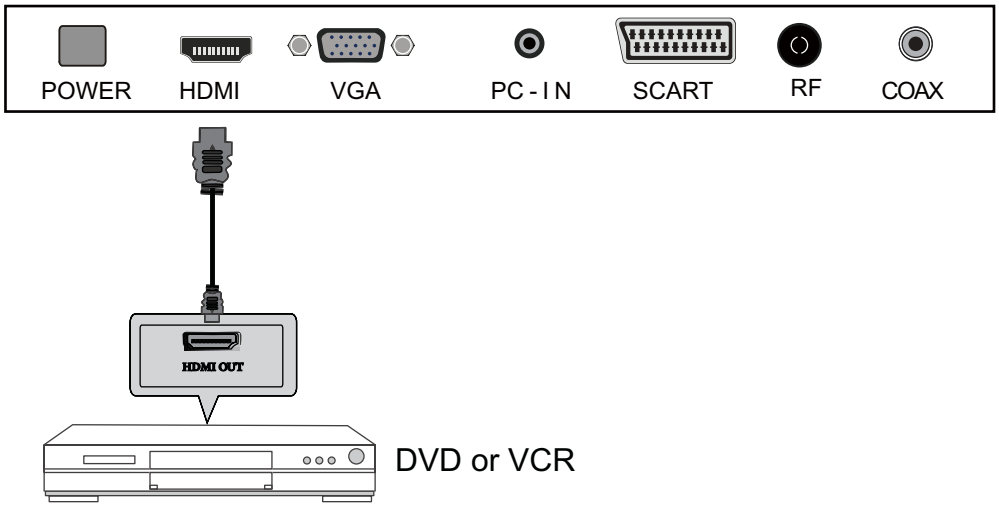
Note: All cables shown are not included with the TV.



- Connect the VIDEO and AUDIO output jacks on the DVD or VCR to the AV IN jacks on the TV set with a RCA cable.
- Match the jacks colors: ***Video=yellow, Audio left=White, Audio right=red***.
- Turn on the DVD/VCR, and select "**AV**" in the input source menu.

HDMI Connection

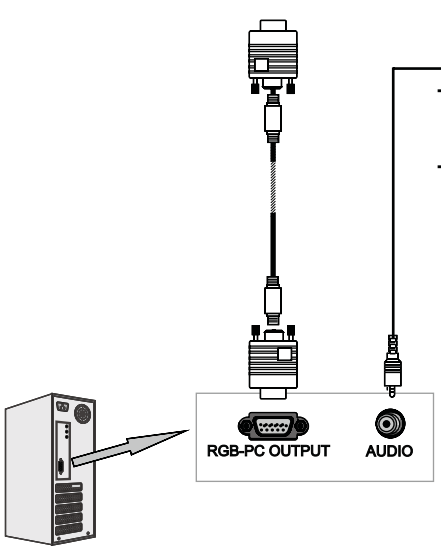
Note: All cables shown are not included with the TV.



- Connect the HDMI jack on the DVD to the HDMI jack on the TV set with a HDMI cable.
- Turn on the DVD, and select "HDMI" in the input source menu.
- HDMI(High Definition Multimedia Interface) is the first all digital consumer electronics A/V interface that supports uncompressed standard. One jack supports both video and audio information.

PC Connection

Note: All cables shown are not included with the TV.



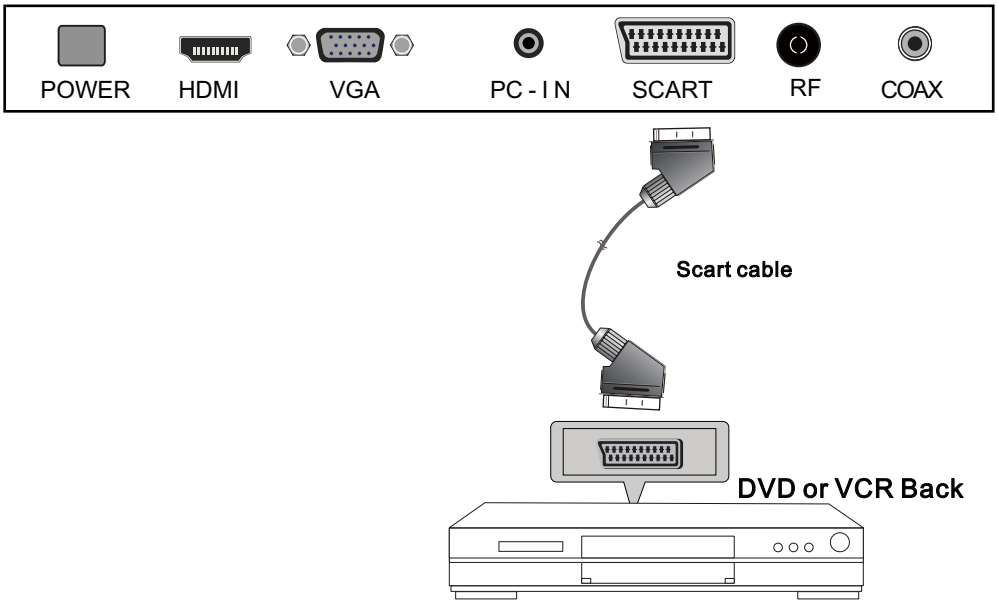
- If using a sound card, adjust the PC sound as required.
- Set the video resolution of your PC to 1920x1080, 60Hz(BEST) on its original monito
  Make the connections between the TV monitor and your PC, switch on the monitor before booting the PC.
  You can now set your preferred resolution from the choice supported.
  See the table of supported resolutions on the right.

- Connect the RGB jack on the PC to the VGA jack on the TV set with a VGA cable.
- Connect the audio output jack on the PC to the PC IN jack on the TV set with a stereo audio cable.
- Turn on the PC, and select “PC” in the input source menu.

USB PORT FUNCTION

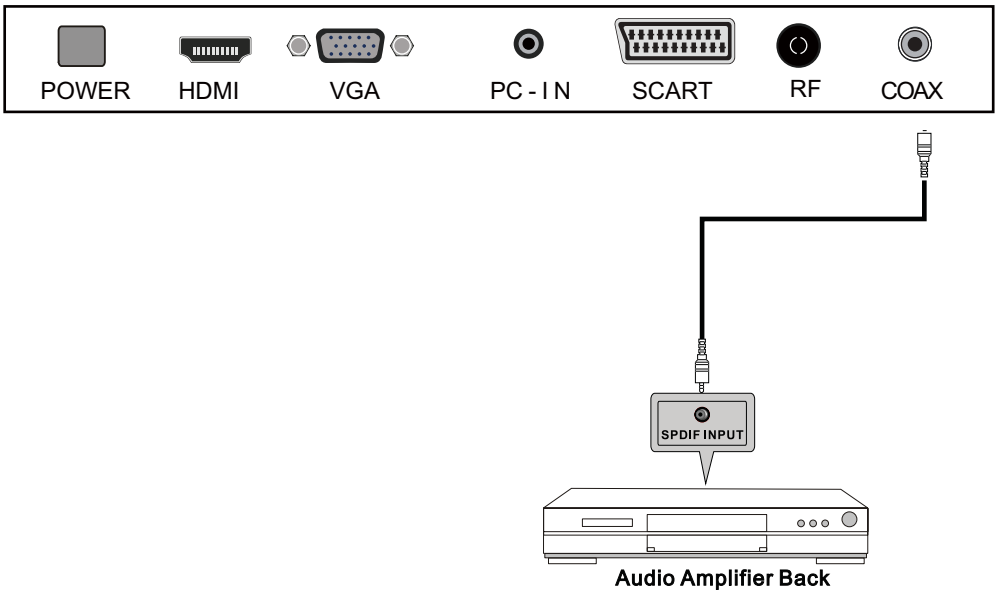
- put the USB flash drive to the Media port,Select Media channel source with using the INPUT button on the remote control.

SCART Connection



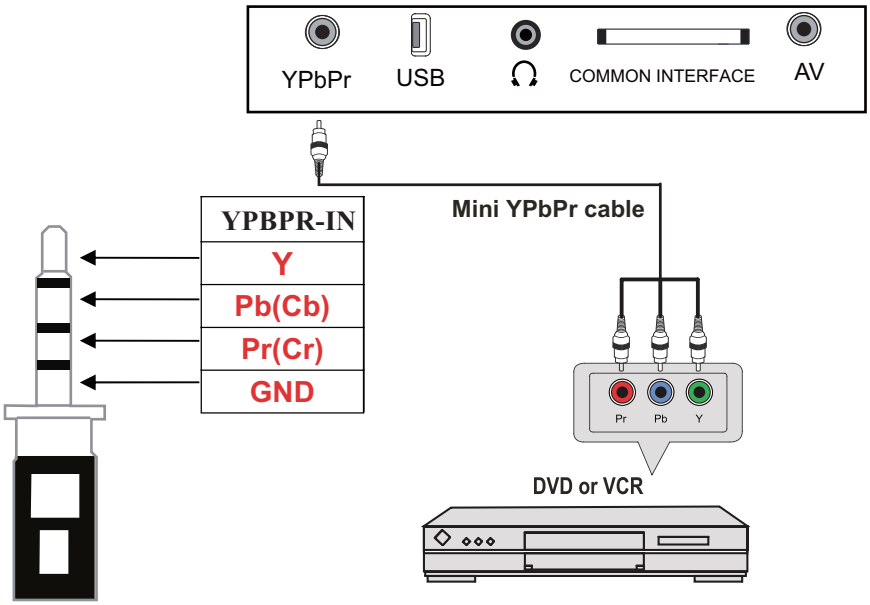
Connect the SCART connector to the external video item and the SCART connector on the TV.The SCART lead operates as an Input/Output connection.If the TV does not select the SCART input automatically,select SCART using the INPUT button on the remote control or TV.

COAX Connection



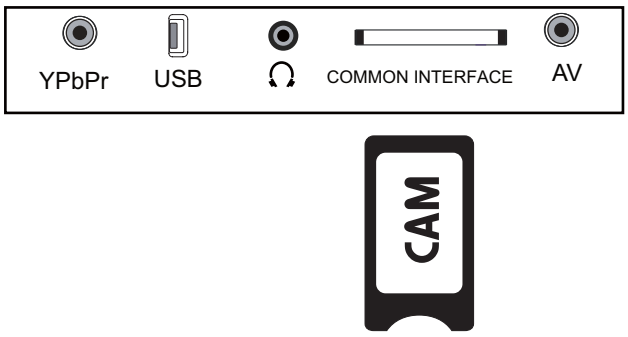
Connect to Audio Amplifier device to the COAX output jack on the TV.

MINI YPBPR Connection



Connect you video player, decoder, DVD or similar with an RCA cable (cable not provided) from the mini YPbPr video output of the device to the video input on your TV by the cable (cable not provided), as shown in figure. For the sound, please connect a mini RCA bicolor (red and white) cable(cable not provided) from the TV to the audio output of the device.

CI Connection



InsertacardintotheCommonInterfaceslottoreceiveconditional accesssignalssuchaspay-DTTsignal(inthiscaseinsertacardCAM).

Remote Control

The remote control is using Infra-Red(IR). Point it towards the front of the TV. The remote control may not work correctly if it is operated out of range or out of angle.

POWER: Turn the TV on/standby.

MUTE: Press to mute the sound, press again or press VOL+ to unmute.

⏏ : Load/eject DVD disc.

PICTURE: Select the picture mode.

ASPECT: Change the screen display mode.

SOUND: Select the sound mode.

SUBTITLE: Turn on/off the subtitle display in DTV mode

SLEEP: Standby timer.

CH.LIST: Display the channel list.

REC : Press to start recording inDTV mode.

REC.LIST: Record List.

NUMBER BUTTONS

Press 0-9 to select a TV channel directly when you are watching TV.

Return to the previous channel viewed.

FAV: Display the favorite program list.

CURSOR KEYS (▲/▼/◄/►/ OK)

Allows you to navigate the on-screen menus and adjust the system settings to your preference.

VOL+ /- : Adjust the volume.

CH▲/▼: Scan through channels.

DISPLAY: Press to display the current mode's information.

INPUT: Press to display the input source menu.

EPG: To show the Electronic Program Guide during no-menu state only in DTV mode.

TV/RADIO：To switch to TV or Radio state in DTV mode.

MENU: System setup menu.

EXIT: Exit the OSD menu.

Remote Control

DVD

◀◀ : Fast reverse.
▶▶ : Fast forward.
|◀◀ : Previous chapter.
▶▶| : Next chapter.
▶II : Play/Pause program.
■ : Stop program.

Colour buttons: Short cuts-follow the coloured links in the text
TV/TXT: Turn off/on the Teletext display.
CANCEL: Cancel the Teletext display.
REVEAL: Reveal any hidden text.
NICAM/A2: TV Nicam/A2 select.
INDEX: Go to index.
HOLD: Hold or carry on the current subpage.
SIZE: Press to see top half of page double size,
Press again to see the bottom
half of page double size. Press again for normal size.
SUBPAGE: Press to enter subpages, pressagain to cancel.

D.SET: DVD system setup.
D.MENU: DVD play list/Disc menu.
D.SUB: Turn on/off the subtitle display in DVD mode.
D.LAN: Select DVD disc language.

Basic Operation

Input Source select

Press **INPUT** button on the TV set or remote control to display input source menu, and use **CH+/-** button on the TV set or ▲/▼ button on remote control to select the input source, press **OK** button on the remote control to enter.

Input
DTV
ATV
AV
SCART
YPBPR
HDMI
PC
Media
DVD

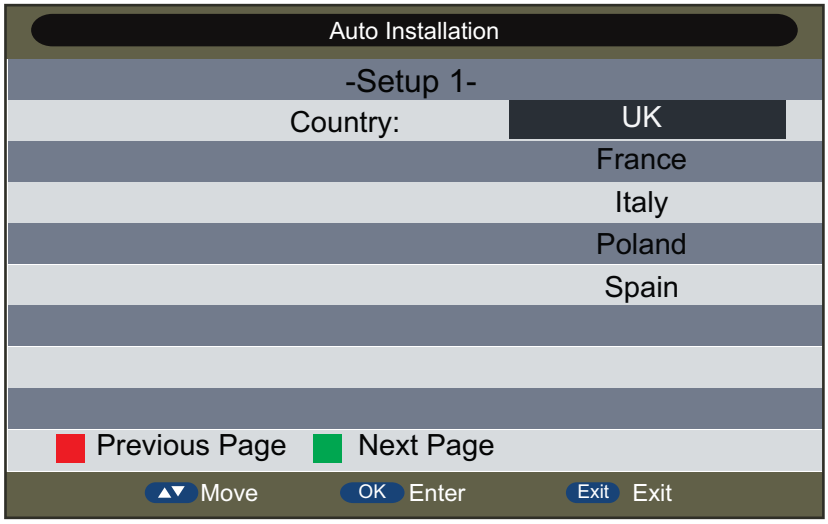
Note: Before you select the input source, make sure the connections are prepared.

Auto Installation

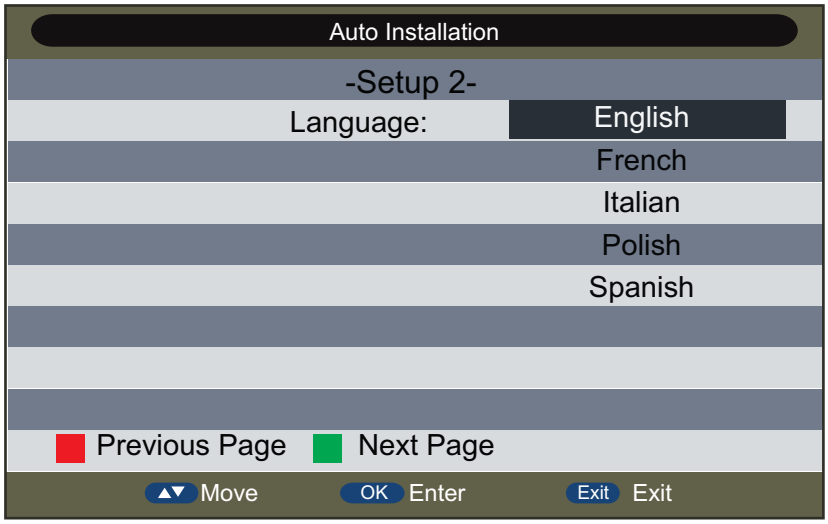
If this is the first time you are turning on the TV and there are no programs in the TV menory,The Auto Installation menu will appear on the screen,There are 4 setups as follow:

AUTO INSTALLATION

Setup 1:Set up the Country

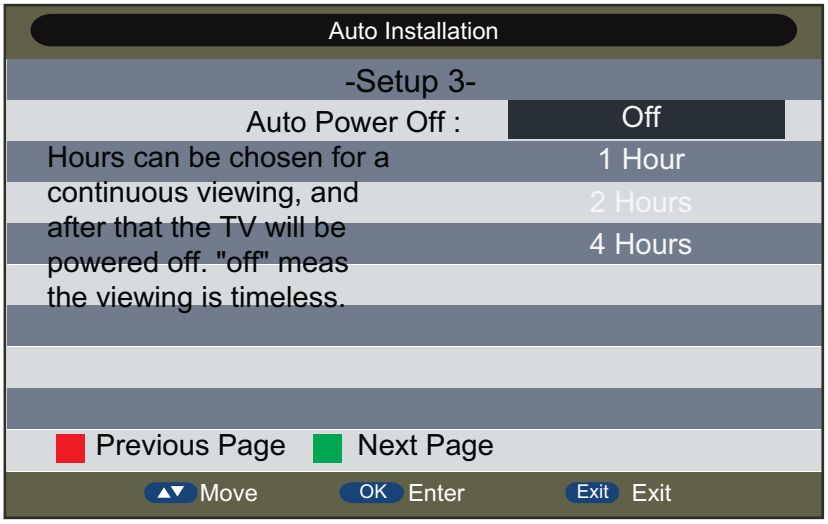


Setup 2:Set up the Language

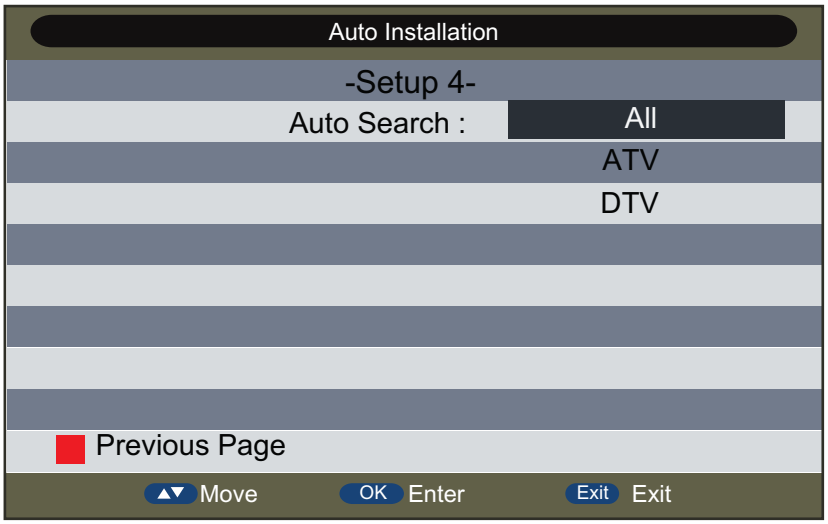


AUTO INSTALLATION

Setup 3:Set up the Auto Power Off

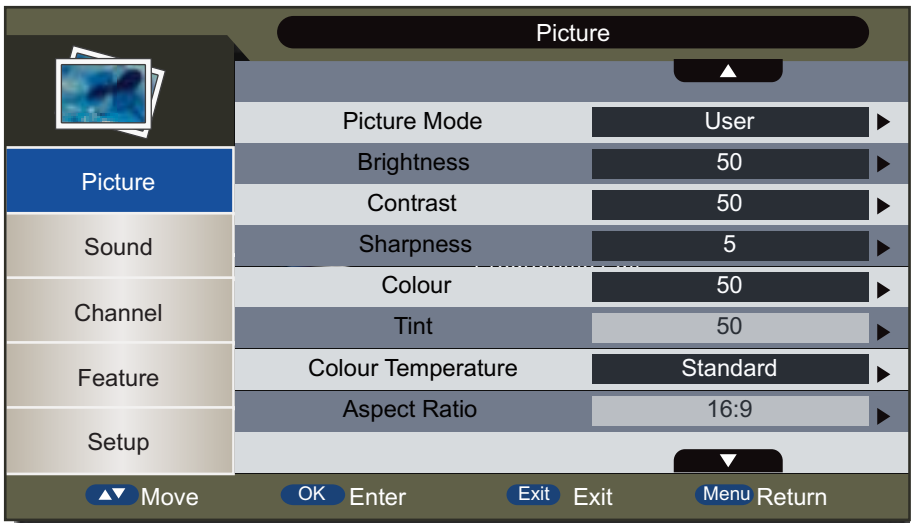


Setup 4: Set up the Auto Search



OSD Menu

1. PICTURE menu



Description

Picture Mode: Choose from Standard, Dynamic, User and Mild.

Brightness: Controls the overall brightness of the picture.

Contrast: Controls the difference between the brightest and darkest regions of the picture.

Sharpness: Object edges are enhanced for picture detail.

Colour: Control the color.

Tint: Adjust the hue of the picture

Colour Temperature: Choose from Standard,Cool , Warm.

Aspect Ratio: Cycles among aspect types:16:9,4:3 etc

Noise Reduction: Choose interference noise modes form Off, Low, Middle and High.

OSD Menu

2. SOUND menu

Description

Sound Mode: Allows you to select among: Standard, Music, Movie, Speech and User.

Bass (Can be adjusted when the sound mode is set to User): Controls the relative intensity of lower pitched sounds.

Treble(Can be adjusted when the sound mode is User): Controls the relative intensity of higher pitched sounds.

Balance: To adjust the balance of the left and right sound track, or turn off the volume of the left and right sound track.

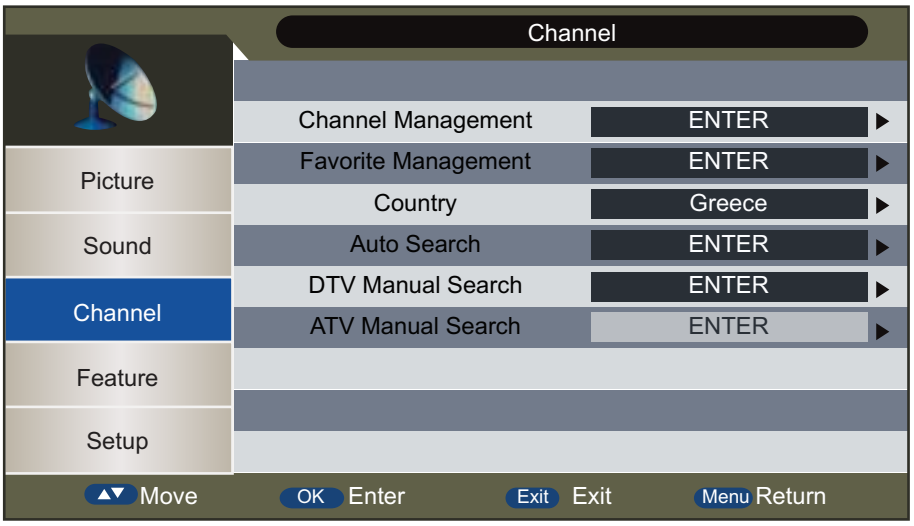
Surround: Allows you to turn on or off the surround.

Auto Volume: Control the volume of the programme automatically when you turn on the function by selecting “On”.

SPDIF: Allows you to select spdif type:Off, PCM and Auto.

OSD Menu

3. CHANNEL menu



Description

Channel Management
To manage (Delete/Rename/Swap/Lock/Skip) all channels.

Favorite Management
To manage (Add/Delete) Favorite channels.

Country
To select country.

Auto Search
To select auto search mode (All/Digital/Analogue).

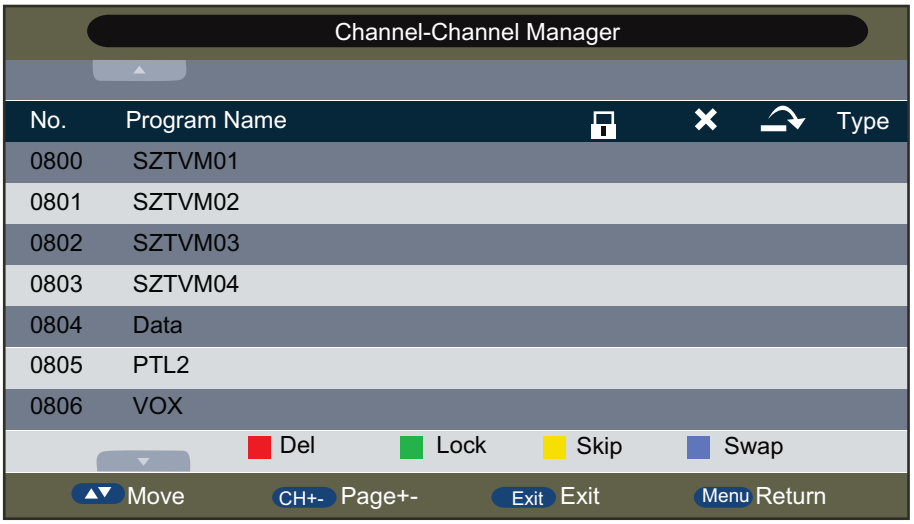
DTV Manual Search
To search digital channel by entering parameters manually.

ATV Manual Search
To search analogue channel by entering parameters manually.

OSD Menu

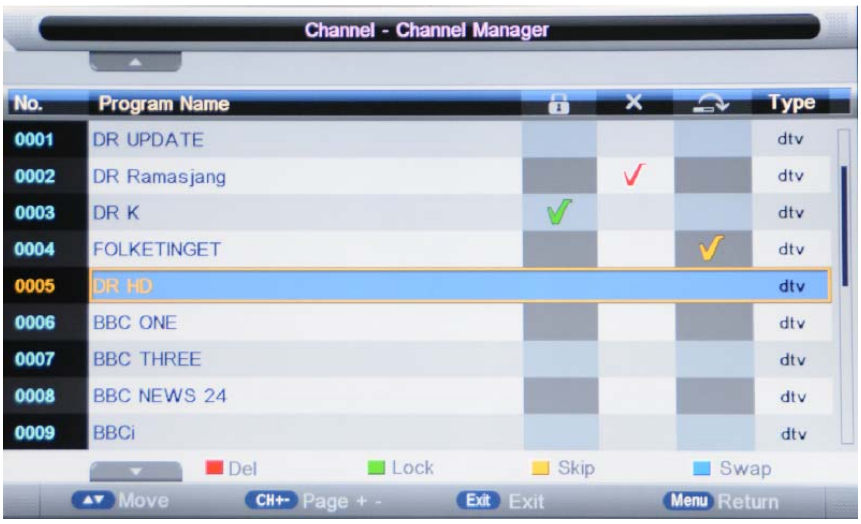
3.1 Channel Management

Press "OK" or "RIGHT" key on "Channel Management" of "Channel"page in ATV or DTV source. The operation interface shows as follow:



3.1.1 Delet/Skip/Lock Channel

1) Press “UP (▲)” and “DOWN (▼)” key to select the programs to be deleted and press “RED”, “GREEN” or “YELLOW” key to mark them as following:



2) After marking press “MENU” key to save the result.

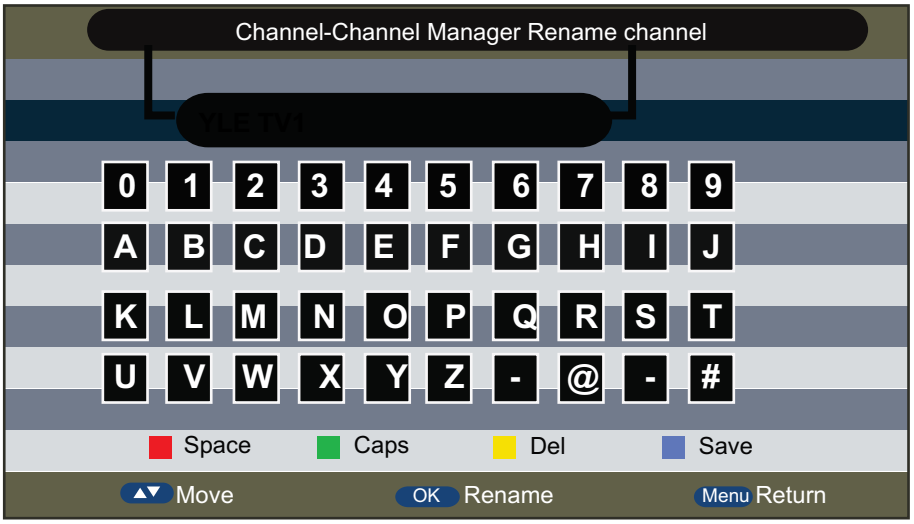
3.1.2 Swap channel

Select the program to be swapped and press “BLUE” key, the selected program will wink and then select another program and press “BLUE” key to swap them.

OSD Menu

3.1.3 Rename Channel

Press OK key in channel page to enter rename operation interface and shows as the follow.

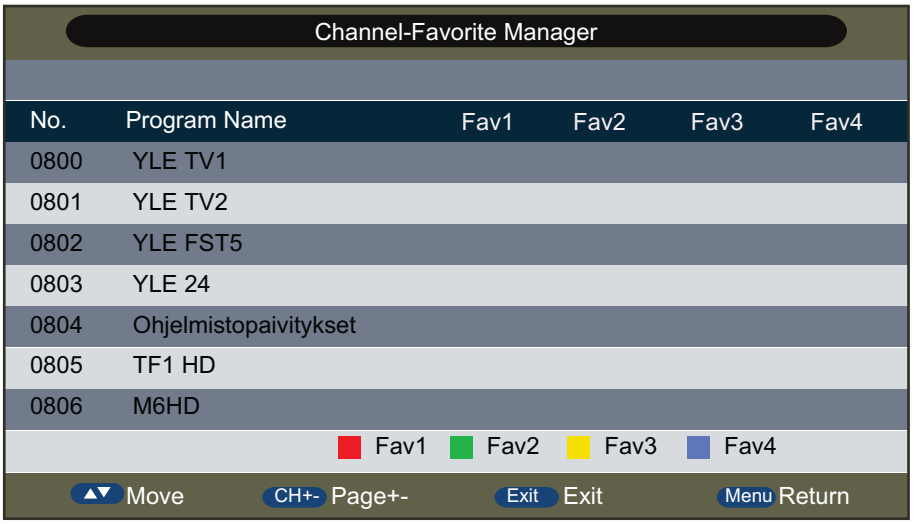

Channel-Channel Manager Rename channel
YLE TV1
0 1 2 3 4 5 6 7 8 9
A B C D E F G H I J
K L M N O P Q R S T
U V W X Y Z - @ - #
Space
Caps
Del
Save
Move
OK Rename
Menu Return

RED key: to enter space.
GREEN key: to switch between capital letter and small letter.
YELLOW key: to delete character.
OK key: to select character.
MENU/Blue key: to return channel management page and save rename result.

OSD Menu

3.2 Favorite Management

1) Press “ OK ” or “RIGHT” key on “Favorite management” of “Channel” page in ATV or DTV source. The operation interface shows as follow:



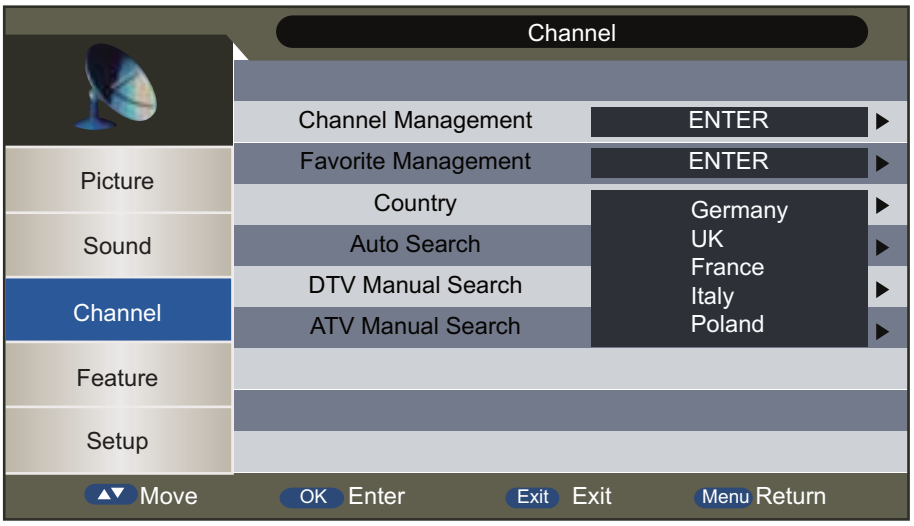
2) Press “UP (▲)” and “DOWN (▼)” key to select the programs to be added into favorite list and press “RED”,“GREEN”,”YELLOW” or ”BLUE” key to mark them as following:

Channel - Favorite Manager
No. Program Name Fav1 Fav2 Fav3 Fav4 Type
0001 DR UPDATE dtv
0002 DR Ramasjang dtv
0003 DR K dtv
0004 FOLKETINGET dtv
0005 DR HD dtv
0006 BBC ONE dtv
0007 BBC THREE dtv
0008 BBC NEWS 24 dtv
0009 BBCi dtv
Favorite 1 Favorite 2 Favorite 3 Favorite 4
Move CH+- Page + - Exit Exit Menu Return

3) Press “MENU”key to return “Favorite management” page and save the result.

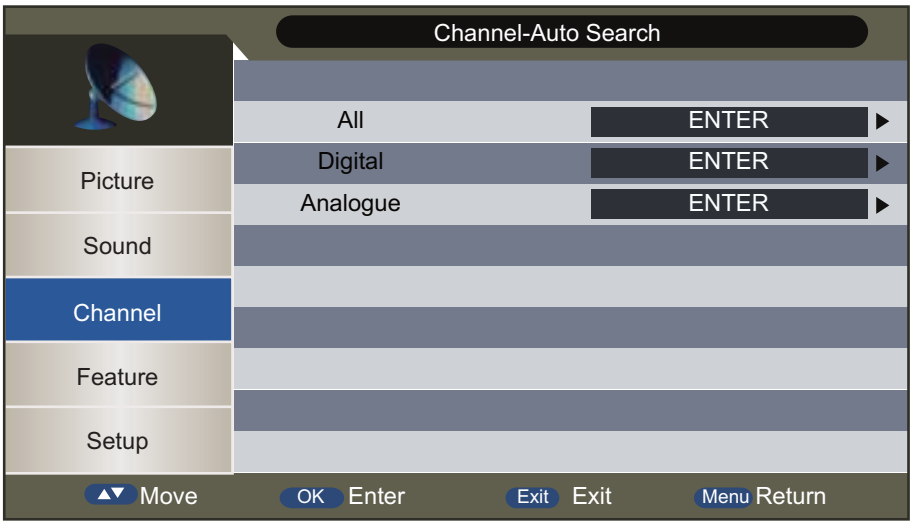
OSD Menu

3..3 Country



Select the country.

3. 4 Auto Search

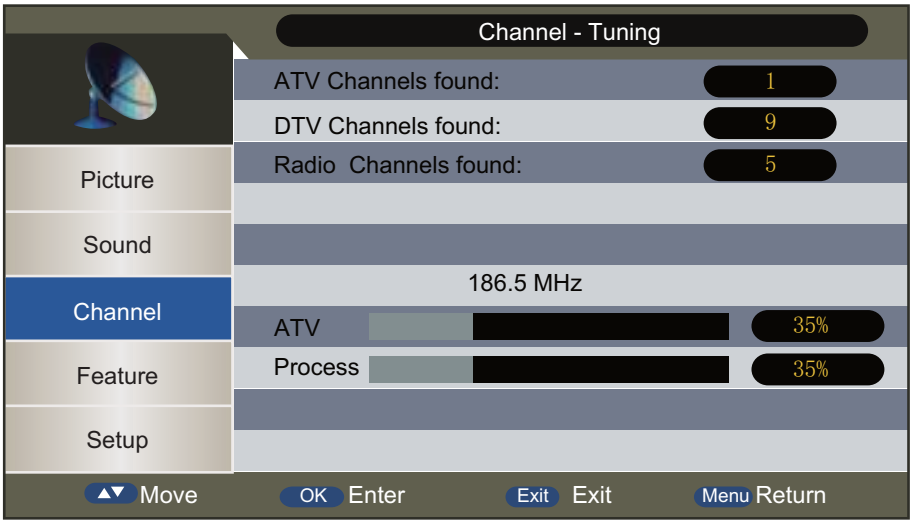


All Mode : Select “All” item to scan all digital channels carried by current signal mode firstly and then switch to scan all analog channels in selected country automatically. User can skip digital search to analog search directly by entering “EXIT” or “MENU” key and can also stop auto scan directly by entering “EXIT” or “MENU” during analog scanning.

Digital Mode : Select “Digital” item to search all digital channels in selected country carried by current signal mode. User can stop search directly by entering “EXIT” or “MENU” key.

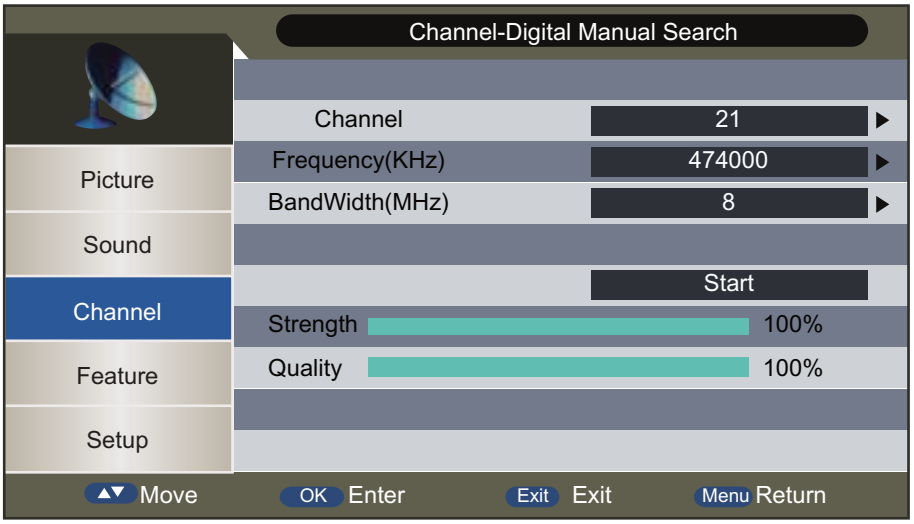
OSD Menu

Analog Mode: Select “Analogue” item to search all digital channels in selected country carried by current signal mode. User can stop search directly by entering “EXIT” or “MENU” key.
All search mode processing interface display as following:



3. 5 DTV Manual Search

Select “Digital Manual Search” item to enter air channel manual search in DTV source and the user operation interface as following:

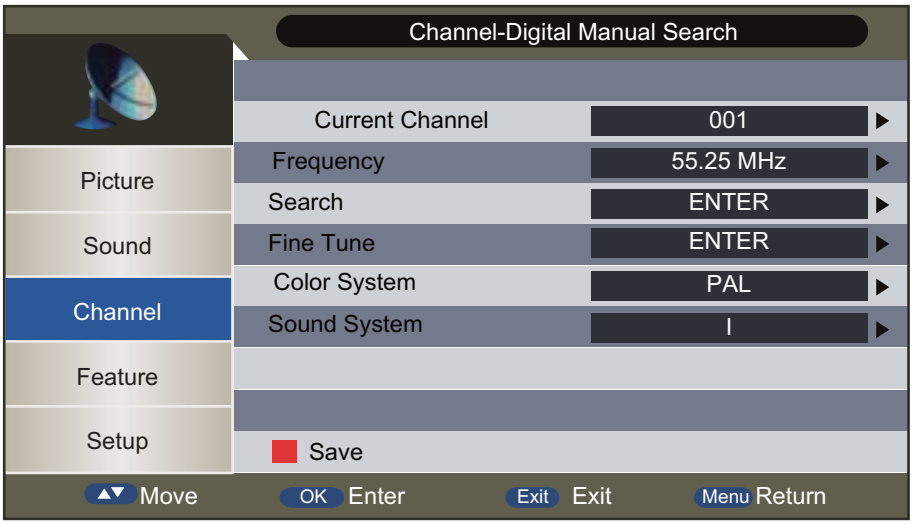


Select channel number by “RIGHT” key or entering number directly. The strength and the quality shows at the bottom. Press “OK” key on “Start” item to start current channel search. The manual searching UI and the auto searching UI are the same.

OSD Menu

3. 6 ATV Manual Search

Select “Analogue Manual Search” item to enter analogue manual search in ATV source and the user operation interface as following:

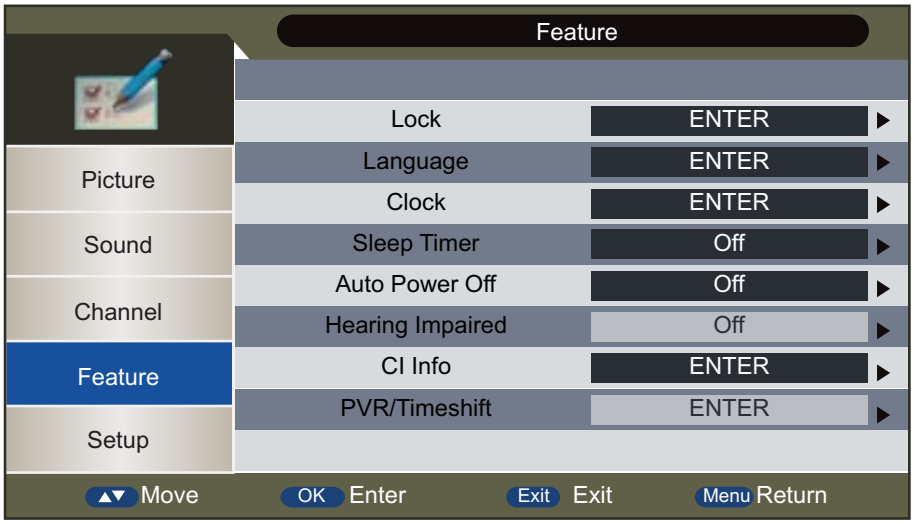


These parameters in this page show as the following table:

Analog Parameters	Value	Default
Current Channel	001-100	001
Frequency	Show the Frequency when stretch	Frequency of the current channel
Search	Press the button “OK” to open the search sub page	
Fine Tune	Press the button “OK” to open the fine tune sub page.	
Color System	Auto/PAL/SECAM	Color System of the current channel
Sound System	BG/DK/I/L/L’	Sound System of the current channel

OSD Menu

4. FEATURE menu



Description

LOCK:

The Lock setting allows you to set a password for a specific channel.

NOTE:The default password to enter the LOCK MENU is 0000.

Language

Allows you to select menu language.

Clock

Press right to set Date/Time/Timezone/DST,press Navigation buttons to set system time.

Sleep Timer

Allows you to setup the sleep timer among: 10min, 20min, 30min, 60min, 90min, 120min, 180min, 240min and off.

Auto Power Off

Allows you to setup the Auto Power Off among: 1 Hour,2 Hour,4 Hour and off..

Hearing Impaired

Choose Hearing Impaired modes form Off and On

CI Info

This menu can display the CI card's information such as:Module information,smart card information,language,software download,It only works under DTV mode.

If the CI card is not inserted in,there will be prompting information to remind the use to insert the CI card. After CI card insertion,the user can enter in the menu to read the information on CI card.

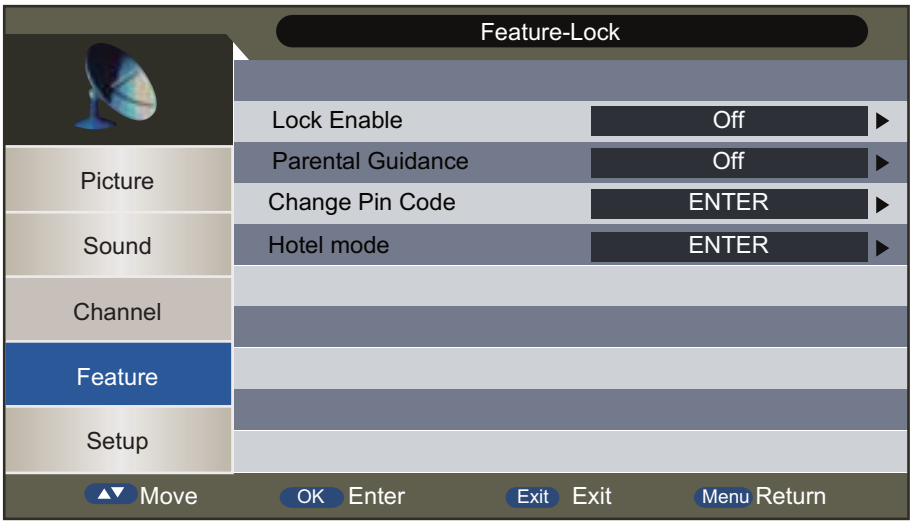
PVR/Timeshift

This function is only available under DTV mode and includes Record,Timeshift and playback functions.

OSD Menu

4. 1 Lock

The Lock sub page includes three parts: Lock channel, Parental Lock,Change Pin Code as shown in the following picture.



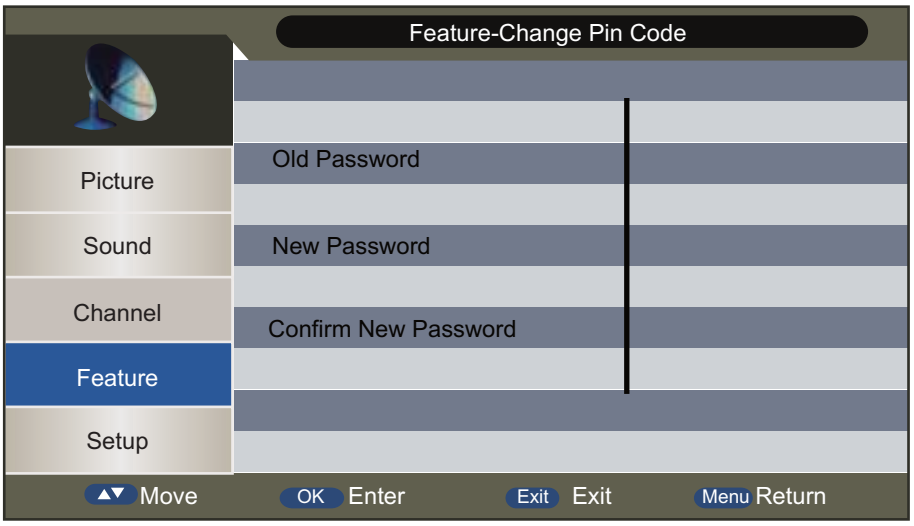
Select channel number by “RIGHT” key or entering number directly. The strength and the quality shows at the bottom. Press “OK” key on “Start” item to start current channel search. The manual searching UI and the auto searching UI are the same.

1) Operations in Lock Menu are ahown in the following table.

Option	Value
Lock channel	On:turn on Lock channel. User need to enter password to watch the channels which are locked. Also need to enter password when user tries to change settings in items like “reset system”/ “reset database ” etc. Off:turn off Lock channel.
Parental Lock	Off: turn off Parental Lock 4-18:turn on parental Lock and set the age level that are permitted to watch the program.
Change Pin Code	KEY-RIGHT or KEY-OK to enter the pin code changing page.
Hotel mode	KEY-RIGHT or KEY-OK to enter the hotel changing page.

OSD Menu

2) Change Pin Code



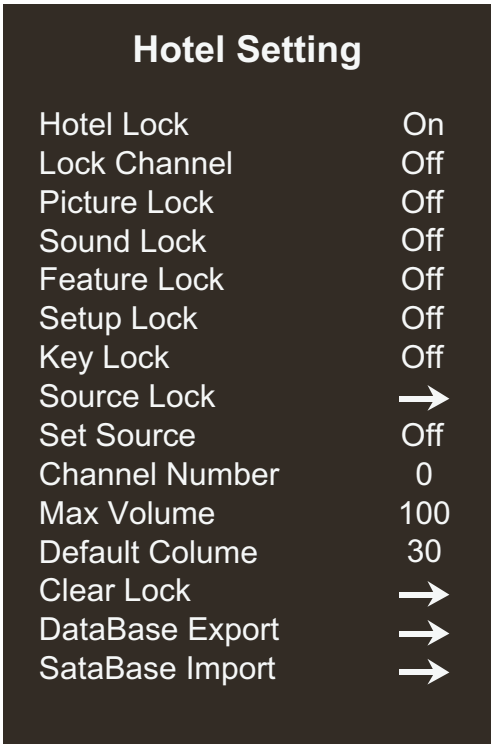
3) Key Operation

Key Stroke	Action
KEY_NUM_0 ~ KEY_NUM_9	Press the numeral buttons to enter the password. If the entered numbers are not exactly the old password, then show a new password-enter menu to enter again. If they are right, then it will ask user to enter the new password that will take place of the old ones. If the New Password is the same as the Confirm New Password, it'll show a success message. If not, it will ask you to enter the new password.
KEY_MENU	Close the whole Main Menu。
KEY_EXIT KEY_LEFT	Cancel pin-code-change-action and back to Child Lock Menu。

OSD Menu

Hotel Mode

NOTE: The default password to enter the LOCK MENU is 0000.



Description

Hotel Lock
Select Hotel Lock on to open up the Hotel Settings menu.

Lock Channel
Use the ◄►button to turn the channel lock On or Off.
When turned On the channel is locked.

Picture Lock
Press ◄► to turn the Picture Lock On or Off.
When set to 'On' the channel menu is locked.

Sound Lock
Press ◄►to select sound lock on/off.
If you select sound lock on, The menu of channel will be locked.

Feature Lock
Press ◄► to select feature lock on/off.
If you select feature lock on, The menu of channel will be locked.

Setup Lock
Press ◄► to select setup lock on/off.
If you select setup lock on, The menu of channel will be locked.

Key Lock
press◄► to turn the Key Lock On or Off.

Source Lock
The Source Lock setting locks the connections of the TV or 'ports'.
The port in use cannot be locked.

Set Source
Press ◄► to select Set Source within the TV source option.
It is possible to set volume levels and channel levels specific to the source.

Channel Number
press ◄► to select Set Channel Number

Max Volume
Use ◄► to set the maximum volume level.

Default Colume
Press◄►to select default volume.

Clear Lock
Selecting this option clears all of the existing lock settings.

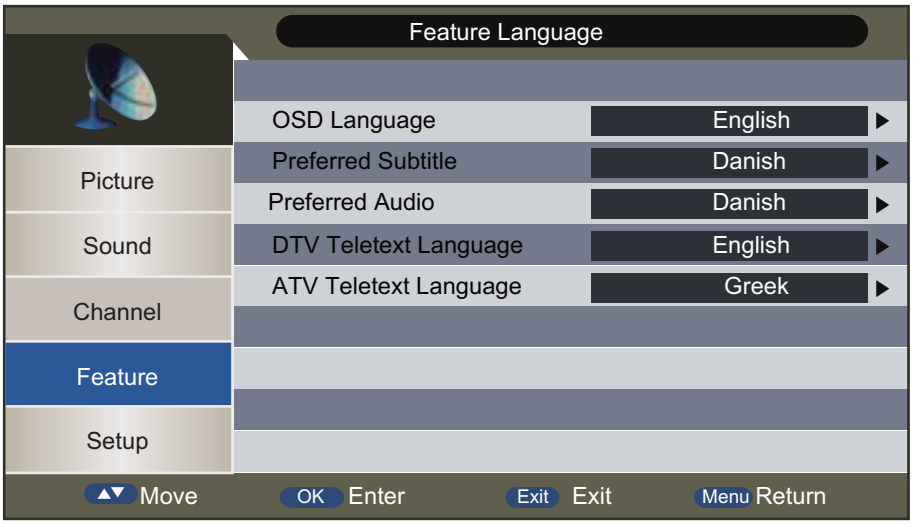
DataBase Export
DataBase Export

SataBase Import
SataBase Import

OSD Menu

4. 2 Language

System language setting,includes OSD Language,Preferred Dubtitle,Preferred Audio,Digital Teletext Language,Anglog Teletext Language.

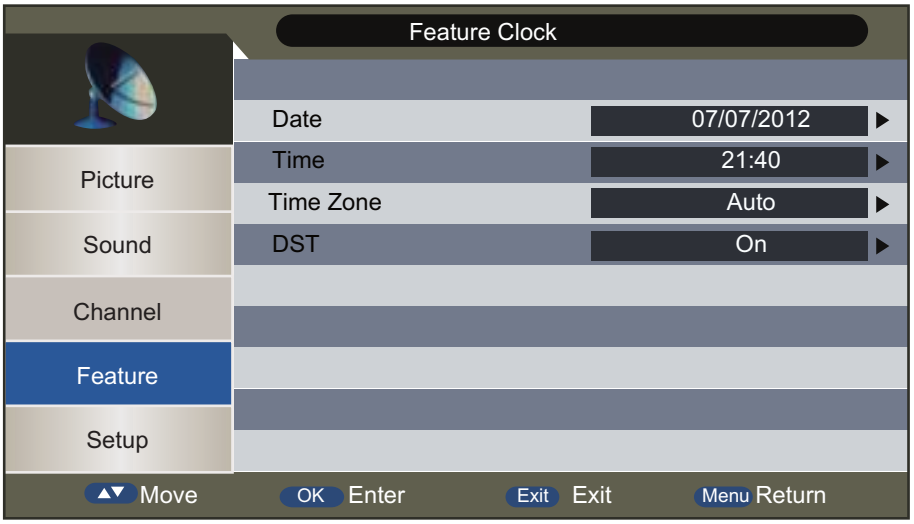


Option	Value
OSD Language	English, French, German, Greek
Preferred Subtitle	English, French, German, Italian, Spanish, Portuguese, Danish, Czech, Dutch, Finnish, Swedish, Greek, Russian, Polish, Turkish, Norwegian,
Preferred Audio	English, French, German, Italian, Spanish, Portuguese, Danish, Czech, Dutch, Finnish, Swedish, Greek, Russian, Polish, Turkish, Norwegian, Trish,
Digital Teletext Language	English, French, German, Italian, Spanish, Portuguese, Danish, Czech, Dutch, Finnish, Swedish, Greek, Russian, Polish, Turkish, Norwegian, Welsh, Gaelic, Trish,
Anglog Teletext Language	West, Greek, East, Arabic, Cyrillic, Russian, Hebrew, Farsi

OSD Menu

4. 3 Clock

It is used to check out the current system time and set time zone/DST.



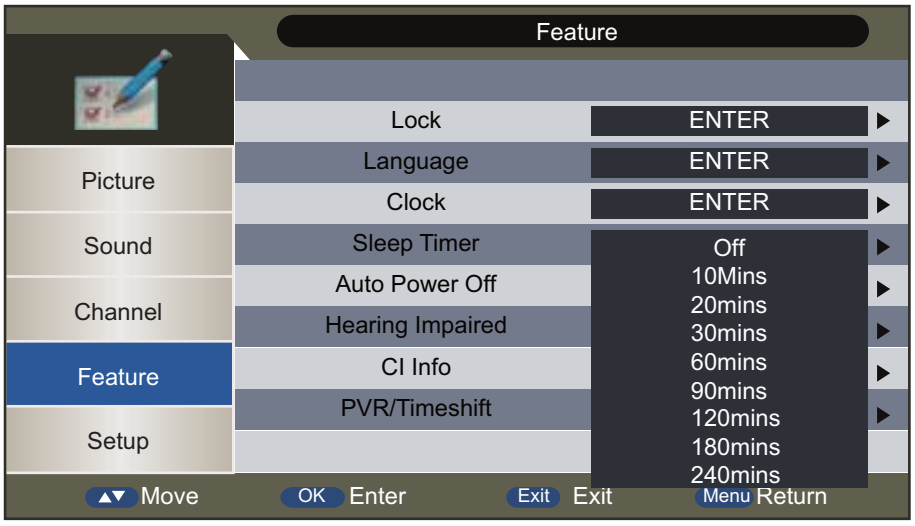
Range of the values of items in Clock Menu.

Option	Value
Date	DD/MM/YYYY
Time	HH:MM
Time Zone	-12:00, -11:30, -11:00 ,…, +00:00, +00:30,+01:00, … , +12:00, Auto
DST(daylight saving time)	[On, Off] if it's " On " , it'll be an hour earlier than the GMT. If Time Zone is set to "Auto", it's not available.

OSD Menu

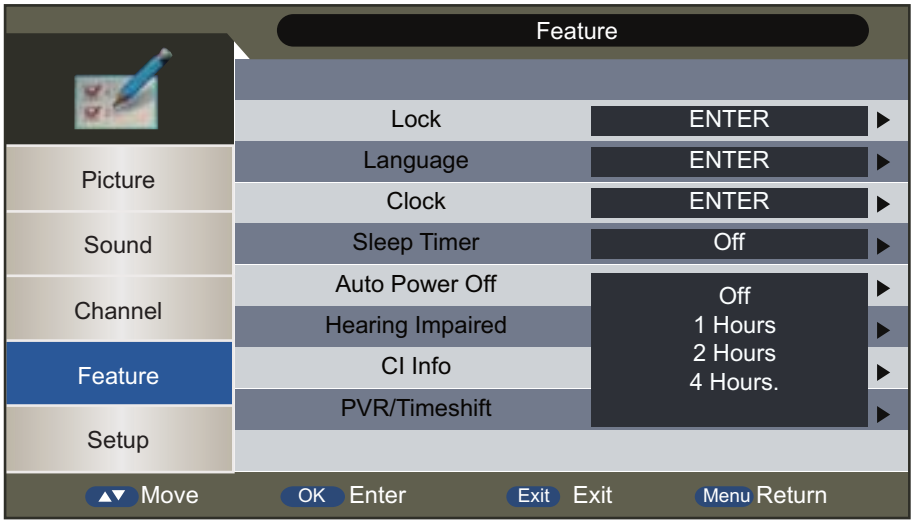
4. 4 Sleep Timer

When your TV is Running,start sleep function by setting sleep timer in any case.This function allows you to power off the TV with in a period of time.Currently the supported time period are:Off,10 Mins,20 mins,30 mins,60 mins,90 mins,120 mins,180 mins,240 mins.



4. 5 Auto Power Off

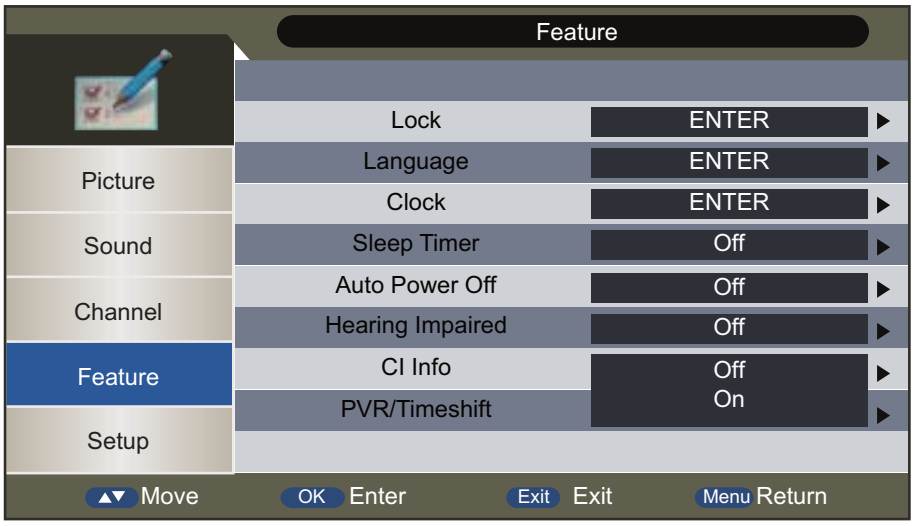
When your TV is Running,start Auto Power Off function by setting Auto Power Off timer in any case.This function allows you to power off the TV with in a period of time.Currently the supported time period are:Off,1 Hours,2 Hours,4 Hours.



OSD Menu

4. 6 Hearing impaired

This function offers a subtitle such as a “stroke on the door” or “the bell starts to ring”the current scene in case that the user is weak in hearing.



4. 7 CI Info

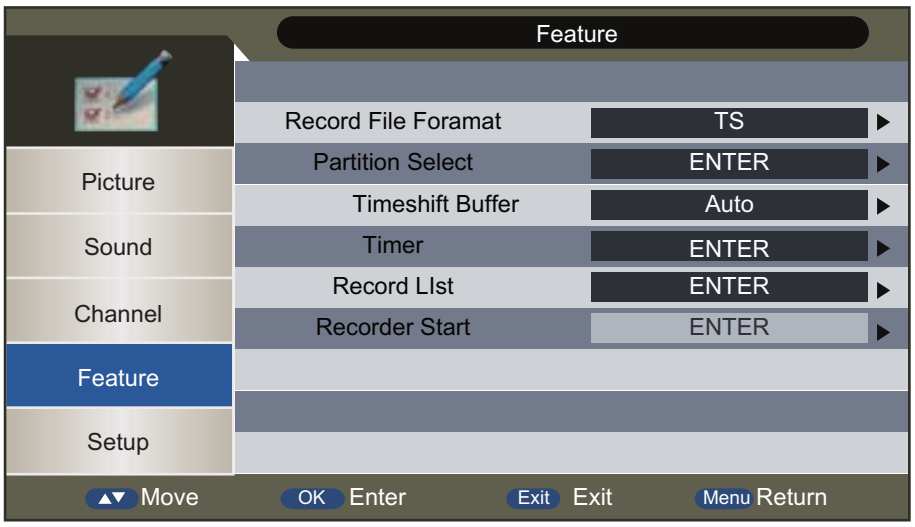
It is only available in DTV source when PVR is not playing.Please prefer to chapter 6 section 2 CI setup for further information about the function of CI.

4. 8 PVR/Timeshift

PVR/Timeshift menu manages almost all the information that have relationship with PVR .

Enter method: Main menu →feature → PVR/Timeshift → PVR/Timeshift menu;

Menu shows as follows：



OSD Menu

Function list explain:

This function offers a subtitle such as a “stroke on the door” or “the bell starts to ring”the

Items	
Record File Format	Recording format：TS, PS
Partition Select	Enter Partition Select menu
	Display partition’ s infomation；
	Format partition function；
	Set default partition function；
Timeshift Buffer	Set Timeshift Buffer：auto、30Mins、1hr、2hr；
Timer	Enter Timer menu；
	Preengaged programs’ information；
	Add、delete preengaged programs；
Record List	Enter Record List menu；
	Display Recorders’ information;
	Playback Recorders.
Record Start	Press OK to start record.

(PVR/Timeshift Function List)

Key Stroke menu

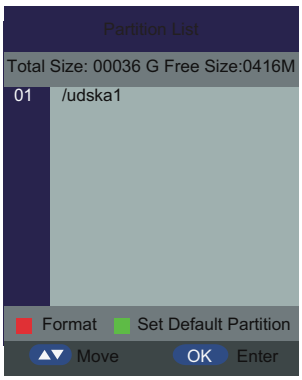
Key Stroke	Action
KEY_UP	Focus on the previous option on the left function list.
KEY_DOWN	Focus on the next option on the left function list.
KEY_LEFT / KEY_MENU	Return to the previous menu’s focus.
KEY_RIGHT / KEY_ENTER	Focus on the later menu on the left function list.
KEY_ Exit	Exit all menu.

(PVR/Timeshift menu Key Stroke)

Partition LIst menu

Information: Partition List menu manages the partitions connected to system.

Enter method: PVR/Timeshift menu → Partition Select → Partition List menu.



Menu shows as follows

(Partition List menu)

OSD Menu

Function

a) Partitions：The list in the menu shows the partitions connected to system；

b) Partitions' property：Total size and Free size；

c) Format Partition：Press KEY_RED to format the focus partition. Before format, there is a prompted popup window to confirm；If format successfully there is a message "Format Success!", otherwise, there is a "Format Fail!"；

d) Set default partition: Press KEY_GREEN to set the focus partition as the default partition .The recorders are stored in the default partition. It need to be reset if the default partition is full in recording progress.

Key Stroke in menu

Key Stroke	Action
KEY_UP	Focus on the previous option on the partition list.
KEY_DOWN	Focus on the next option on the partition list.
KEY_MENU	Return to the previous menu's focus (PVR/Timeshift menu "Partition select" option).
KEY_RED	Format the chosen partition.
KEY_GREEN	Set the chosen partition as the default partition.
KEY_ Exit	Exit all menus.

(Partition List menu Key Stroke)

Timer menu

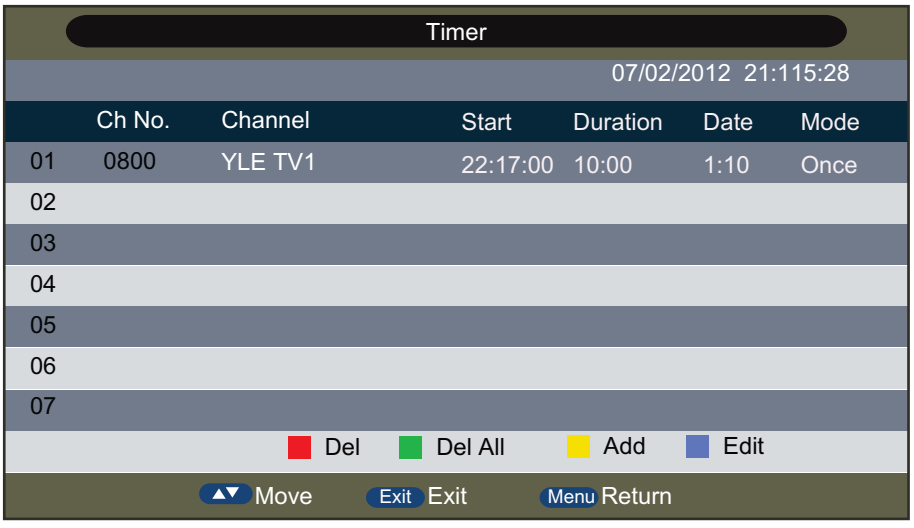
Information: Timer menu manages the preengaged programs,user can add、delete preengaged programs in this menu.

Enter method:

a) PVR/Timeshift menu →Timer →Timer menu;

b) Press KEY_CLOCK to enter Timer menu when there is no menu focused.

Menu shows as follows



(Timer menu)

OSD Menu

Prompted information explain

a) CH NO. :Channel number；
b) Channel :Channel name；
c) Start : Start recording time；
d) Duration :The total recording time；
e) Date : The date of starting recording；
f) Mode : Record Mode；
g) On the left top of menu is current date and time in system.

PS：

1) These information except “g” all come from the preengaged programs in Timer Edit menu or EPG;
2) Pressing KEY_YELLOW for add or KEY_BLUE for edit could enter Timer Edit menu. Press KEY_RED to delete the focus program,press KEY_GREEN to delete all the programs.

Key Stroke in menu

Key Stroke	Action
KEY_UP	Focus on the previous option on the record list.
KEY_DOWN	Focus on the next option on the record list.
KEY_RED	Delete the chosen program.
KEY_GREEN	Delete all the programs.
KEY_YELLOW	Add recording program; Enter Timer Edit menu.
KEY_BLUE/ KEY_ENTER	Edit the chosen recording program; Enter Timer Edit menu.
KEY_MENU	Return to the previous menu’s focus (PVR/Timeshift menu “Timer” option).
KEY_ Exit	Exit all menus.

(Timer menu Key Stroke)

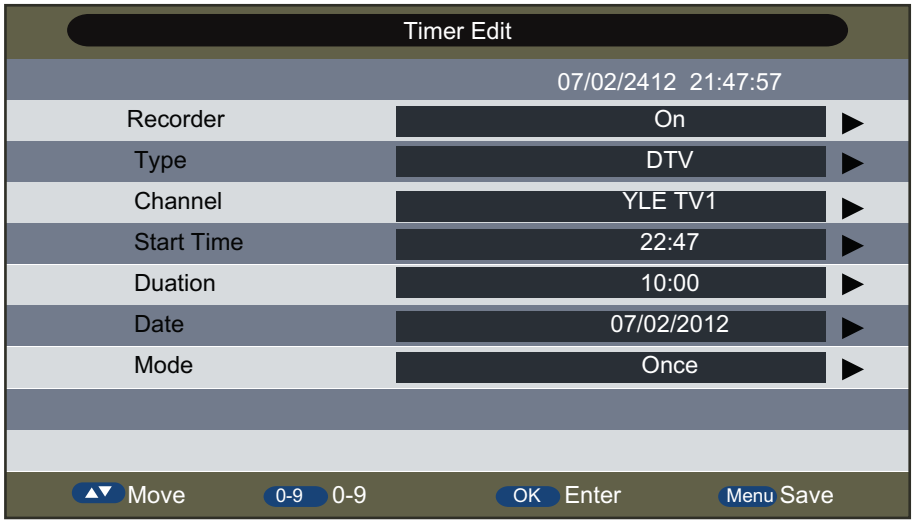
Timer Edit menu

Information: User could set、modify preengaged programs’ information in Timer Edit menu.

Enter method: Timer menu → KEY_YELLOW for add or KEY_BLUE/KEY_ENTER for Edit→Timer Edit menu

Menu shows as follows

OSD Menu



(Timer Edit menu)

Function explain

a) Recorder : Off、On .“Off” means to preengage program for watching only, “On” means to preengage program for watching and recording.

b) Type: DTV、Radio,DTV means to preengage DTV Channel program and Radio means to preengage Radio Channel program；

c) Channel: DTV or Radio Channel programs；

d) Start Time: Start recording time; Format is hour / minute ；

e) Duration: The total recording time ; Format is hour / minute ;PS：The status of this option is disable,only when Recorder is“On”,it can be set；

f) Date :The date of starting recording,Format is day / month / year ；

g) Mode : Once、Daily、Weekly、Month；

PS:

1) The start recording time must be reasonable (behind current system time) ； If the timer is repeat or not reasonable, there will be a message ”Set timer fail! ” to prompt when return;

2) The Edit function resemble Add function except that Type and Channel can not changed again.

Key Stroke In menu

Key Stroke	Action
KEY_UP	Focus on the previous option on the Edit list.
KEY_DOWN	Focus on the next option on the Edit list.
KEY_0~9	Edit Start Time、Duration、Date.
KEY_ENTER	Confirm the choice.(For popList options)
KEY_MENU	Return to the previous menu (Timer menu) and save the setting.
KEY_ Exit	Exit all menus.

(Timer Edit menu Key Stroke)

OSD Menu

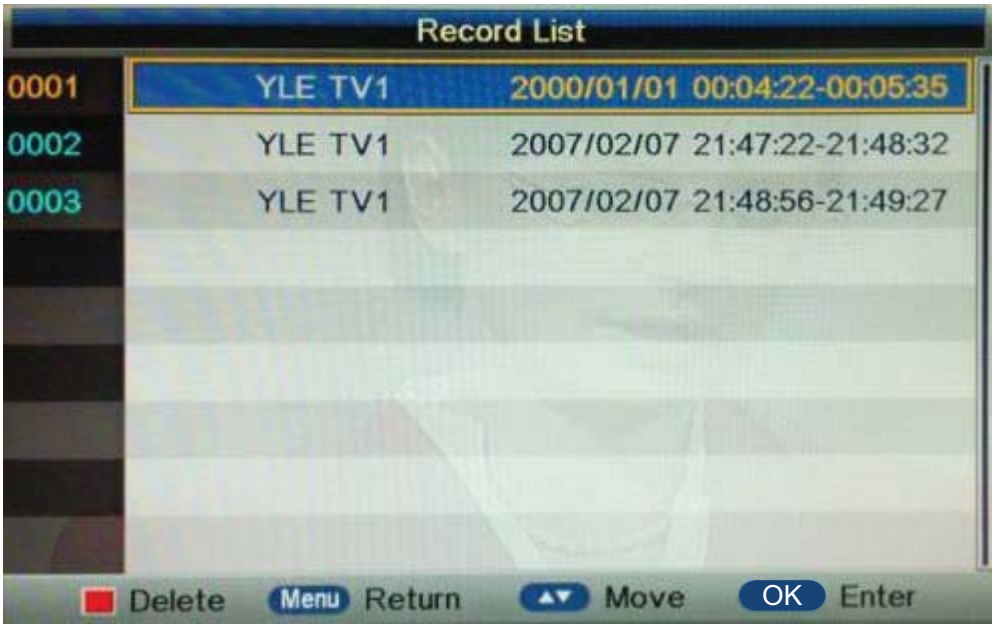
Record List menu

Information: Record List menu manages the Recorded programs。User can playback recorders in this menu.

Enter method

PVR/Timeshift menu ➔Record List ➔Record List menu；

Menu shows as follows:



（Record List menu）

Key Stroke in menu

Key Stroke	Action
KEY_UP	Focus on the previous option on the program list.
KEY_DOWN	Focus on the next option on the program list.
KEY_ENTER	Play the focus program.
KEY_MENU	Return to the PVR/Timeshift menu (focus on Record List option).
KEY_ Exit	Exit all menus.

（Record List Key Stroke）

REC info menu

REC input info menu:

Information：REC input info menu displays as a flag of REC. After REC start this menu displays all the time until REC stop (except there is some other menu exist).

Enter method：After REC start, it will display automatically.

REC info banner menu:

Information：REC info banner shows some current recorder's information. Actually REC info banner shows different information with Timeshift info banner.

OSD Menu

Enter method: After REC start, press KEY_DISPLAY three times to show the REC info banner menu.

Function explain:

a) Time is equal to current REC time minus REC start time.

b) Progress bar is for current REC length compared with the disk free space when REC start.

c) MB Free is the disk instantaneous free space.

Menu shows as follows

（REC info menu）

Key Stroke in menu：

Key Stroke	Action
KEY_PAUSE	Start or pause recording.
KEY_DISPLAY	Enter banner info menu.
KEY_STOP	Stop REC.

（REC info Key Stroke）

Timeshift info menu

Timeshift input info menu:

Information：Timeshift input info menu displays as a flag of Timeshift. After Timeshift start this menu displays all the time until Timshift stop (except there is some other menu exist) .

Enter method：After Timeshift start, it will display automatically.

Timeshift info banner menu:

Information：Timeshit info banner shows some current Timshift information.

Enter method：After Timeshift start, press KEY_DISPLAY three times to show the menu .

Function explain :

a) Time is equal to current play time minus current recording time.

b) Progress bar is for current recording length compared with the disk free space when REC start. The black triangular icon is for current play length compared with current recording length.

c) MB Free is the disk instantaneous free space.

d) The right red time menu has the same function with the time in info banner menu(only when info banner menu closed it showed).

Menu shows as follows：

OSD Menu

（Timeshift info menu）

（Timeshift time menu）

Key Stroke in menu

Key Stroke	Action
KEY_PAUSE	Start or pause recording and playing.
KEY_DISPLAY	Enter banner info menu and close time menu.
KEY_STOP	Stop Timeshit.
KEY_FF	Playing video fast forward with speed “x2”,“x4”,“x8”,“x16”
KEY_FB	Playing video fast behind with speed “x2”,“x4”,“x8”,“x16”

（Timeshift info Key Stroke）

REC

This section is for recording flow.

REC

1. Information：

a) Input：MPEG2 TS,NIM,ISO/IEC 13818-2,H.264;
Output：MPEG2 PS packet,only contain Video and Audio PID,no Teletext,Subtitle, EPG etc,the output Video file format is “.MPG” and Audio file format is “.MP3”,the output files can be played by other players which supports MPEG2 PS;TS packet，contain Video and Audio PID,Teletext,Subtitle etc,the output Video file format is “.TSV” ,the output files can be played by other players which supports TS

b) The save direction for the output files: the inserted storage device (USB/Card). If user wants change the output direction, he can open the partition list by pressing the button “Device” and make the choice. It supports 4 partitions at most;

c) The rules of naming the output files: Program name + (REC date_time(h/m/s), eg：BBC ONE(20111023_123456).MPG. If a long-time recorded file takes more than 3.9GB, it cuts and makes a new file named by adding an extra sequence number. eg: BBC ONE(20111023_123456)001.MPG.

OSD Menu

2. Recording Flow：

a) Set up the working partition(default partition): (This step is adapt to Timeshift also)

There is a Partition list shows the partitions connected to the system in Partition List menu, Press KEY_GREEN to set the focus partition as default;

System will set the partition which is recognized firstly as default partition before record if user does not set before;

Recorded files will be stored in the default partition.

b) Press KEY_REC to start recording, when there is a program playing, it will pop up a message “Do you want to start Recording?”. After confirm, the system will read the speed of the storage device. If the speed is too low for recording, there is a message “Device speed not enough, RECORD anyway?” if user choose Yes, it will record constrainedly. In addition, the speed is high enough, it initializes in the first instance and starts to record later.

（Confirm record window）

（Device speed not enough window）

（Initializing recorder window）

c) As the initialization successfully ends, a REC input info menu appears on the lower left corner of the picture and it starts to record while the program is playing in the background;

d) Press KEY_DISPLAY to get the current recording information from the Info Banner, such as current recording time and the recording progress. The recording time depends on how much of the program has been recorded actually;

e) If the signal is not stable there may be some pause;

f) The recording progress will stop when the device has no more free spaces if there is no setting about when to end before. A warning massage pops up, the recording process stops and it will keep on the normal playback process. Otherwise the progress ends naturally when the timer is timeout. Also user could press KEY_STOP to end recording manually;

(REC info and stop recording window)

g) System will prompt user error message and try to continue recording if there are some bad tracks in disk.

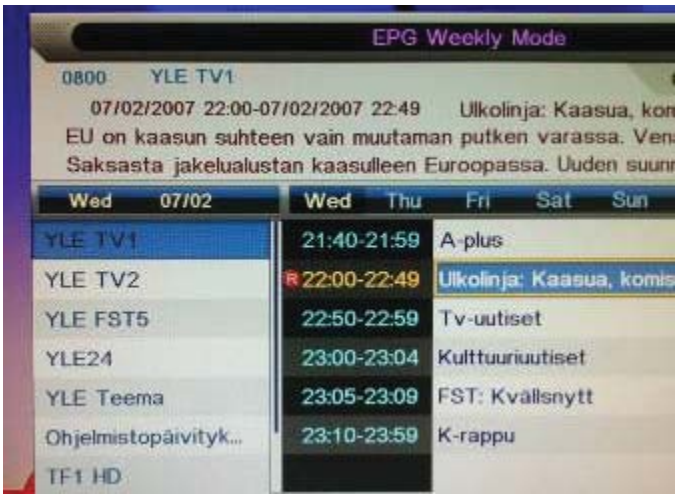
Timer REC

There are two methods to set a timer. As follows:

1. In the EPG menu user can preengage programs for watching or recording;
   a) Pressing KEY_GREEN once is to preengage the program only for watching （when timeout, it jumps to the program and only play.
   b) Pressing KEY_GREEN twice is to preengage the program for recording (when timeout, it jumps to the program and starts recording). if it is timeout in standby mode, it will power on 2 minutes in advance and starts to record under background without powering on the panel. To watch the program, user need to press KEY_POWER;
   c) The preengaged programs can be checked in Timer menu.

OSD Menu

(Press KEY_GREEN once for reminder)



(Press KEY_GREEN twice for recorder)

2. In Timer menu, user can increase、delete preengage programs; In Timer Edit menu, user could set、modify preengaged programs' information;

In Timer menu: press KEY_YELLOW to get into Timer Edit menu to add a timer .Then set timer's information in Timer Edit menu.

Flow of setting a timer's information：

a) Type: Set program type :DTV or RADIO;

b) Mode: Way of triggering a timer(once/daily/weekly/monthly);

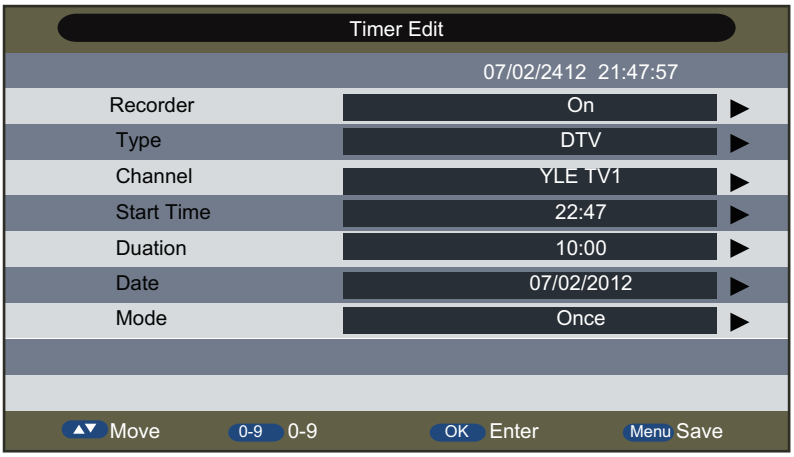
c) Recorder:"ON": preengage for watching and recording(record). "OFF": preengage only for watching(reminder);

d) Set the date/time and Duration time (exact to minutes)；Must be reasonable (behind current time);

e) Timer: when there are some conflicts a warning message will pop up;

f) Press KEY_MENU to return to Timer menu and store the timer's information.

OSD Menu



（Timer Edit menu ）

3. When the timer recorder is timeout, it jumps to the very channel and starts to record the program automatically.(if a manual recording is under process, it will stop the manual recording process and starts the timer recorder automatically);When there is left 10s before recorder , a prompted window will pops up;

（Timer Record start prompt window ）

4. If there are not any storage media, the settings fail and a warning message “no USB device” shows;
5. If target partition (default partition) is not set, it selects the first partition that the system identified automatically.

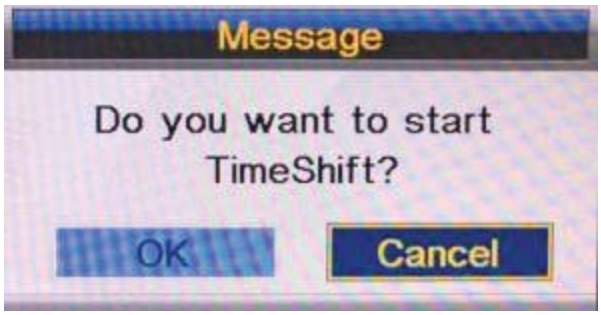
Timeshift

Timeshift can record program and play the current recording program at the same time.

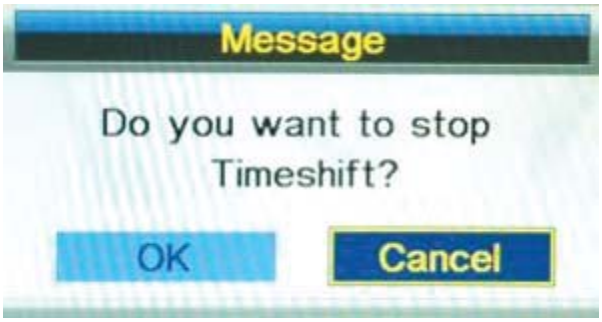
1. Set Timeshift Buffer in PVR/Timeshift menu, Timeshift Buffer means how long a recorder can be stored when Timeshift. If Buffer is overstepped , the previous recorder stored there will be lie over; There are three modes: auto、30Mins、1hr、2hr,“auto”means all the free spaces on the storage media;
2. In the normal playback process in DTV source, there are two ways to start timeshift：
   a) Manually: press KEY_PAUSE to start Timeshift when there is no menu focused (Stop: press KEY_STOP) ;

b) Automatically: set the “Auto Timeshift”option as “Auto” in PVR/Timeshift menu (Stop: set “Auto Timeshift”as “Off”) .

3. Before Manually Timeshift, there is a message “Do you want to start Timeshift”. After confirm,If signal is stable, it will check whether the speed of the storage device that the user inserted is enough for Timeshift. If the speed is not enough, a warning message will pop up to let the user make decision whether to go on. If timeshift is force to take place, there may be some pause or mosaic. Otherwise the speed is enough for Timeshift, it’ll take place under background and users are able to pause or move fast backward ;After a pause, users are able to pause or move fast backward;
4. After Automatically Timeshift, it will take some minutes to initialize, then it take place automatically;



（Timeshift Play start prompt menu）



（Timeshift Play Info menu and stop prompt）

5. A UI (Timeshift time menu) on the right top corner shows the fallen time between the current picture and the living broadcasting picture;
6. During the recoding progress, if the signal is missing, the recording process will take a pause until the signal is stable again.

REC Playback

Play videos and recorded files

1. The recorded Videos can be played in Record List menu , in Record manage menu or in Source Media Movie mode ;
2. When a video playing, the Info Banner menu shows the length of the video and the time that the video has been played. Also there is a progress bar indicating the process of playing the video ;
3. A playing video can move fast forward with the speed “x2”,“x4”,“x8”,“x16” or play in a normal speed by pressing the button “fast forward” ;

4. A playing video can move fast backward with the speed “x2”,“x4”,“x8”,“x16” or play in a normal speed by pressing the button “fast backward”；
5. If it moves fast backward to the start of the video, it turns into the normal playing speed automatically；
6. When a video playing, pause the process by pressing the button “pause/play” and restart the process by another press again；
7. When a video playing, it can jump to the previous or the next video to play by pressing the button “previous” or “next”；
8. When a video playing, user can stop the process by pressing the button “stop” and it goes back to the browser in movie mode；
9. When it comes to the end of a video, it will stop/repeat/play the next one depending on the value of Repeat mode。

PS：The 3、4、5、6、7、8 upwards also adapt to the playback when it is recording。

Restriction

Device & File System

1. The USB host supports version 2.0 and is compatible with version 1.1, but it can’t support card reader and USB Hub, neither Timeshift and timer recorder on USB 1.1.
2. Support Timeshift on programs which have a equal or lower rate than 8Mbps and support recorder on programs which have a equal or lower rate than 13Mbps(13Mbps is a test result of SAM USB2.0 High speed 320G).；
3. Restrictions on USB device for Recorder:

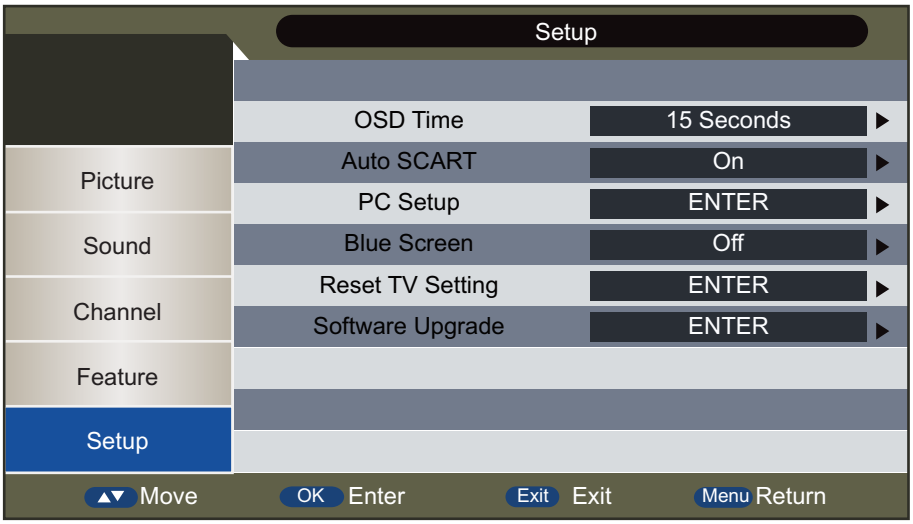
a) For programs which have a lower rate than 8Mbps, the USB device must have a rate higher than 14Mbps in SPV9202 speed test for Recorder and higher than 28Mbps in SPV9202 speed test for Timeshift. Otherwise there may be some pause or mosaic when do Recorder or Timeshift by force；

b) For programs which have a higher rate than 8Mbps, the USB device must have a rate higher than 20Mbps in SPV9202 speed test for Recorder and Timeshift is not supported. Otherwise there may be some pause or mosaic when do Recorder or Timeshift by force；

4. The USB device’s file system supports FAT32 / FAT/NTFS；
5. The system supports 4 partition connection at most at the same time；
6. The same partition is able to store 9999 recorded files at most, namely the biggest number of files is 9999；
7. The maximum size of a single file the system supports is 4GB at present. When long-time recording, the file will be cut to creat a new one automatically when its size reaches 3.9GB；
8. FAT file system supports 4GB every partition at most while the FAT32 file system supports 1TB at most；
9. The system can support USB flashdisk and removable disk at present. However, it can not sure that all kinds of them could record or write into the storage very smoothly, especially when the file system is in disorder. If users are opt to use a USB flashdisk as the storage media, it is recommended to format the disk before use；
10. It will take a brief test on the speed of the USB device and then show a warning message when the speed is not enough.

OSD Menu

5. SETUP menu



Description

OSD Timer

Allows you to select the time for OSD menu displays on the screen.

Auto SCART

Select Auto SCART on, The menu of SCART will be locked.

PC Setup

Press to select PC Setup in the PICTURE menu,then press OK button to enter sub-menu.

Blue Screen

Turn on/off the blue screen function when there's no signal.

Reset TV Setting

Restore all settings in setup menu to factory settings.

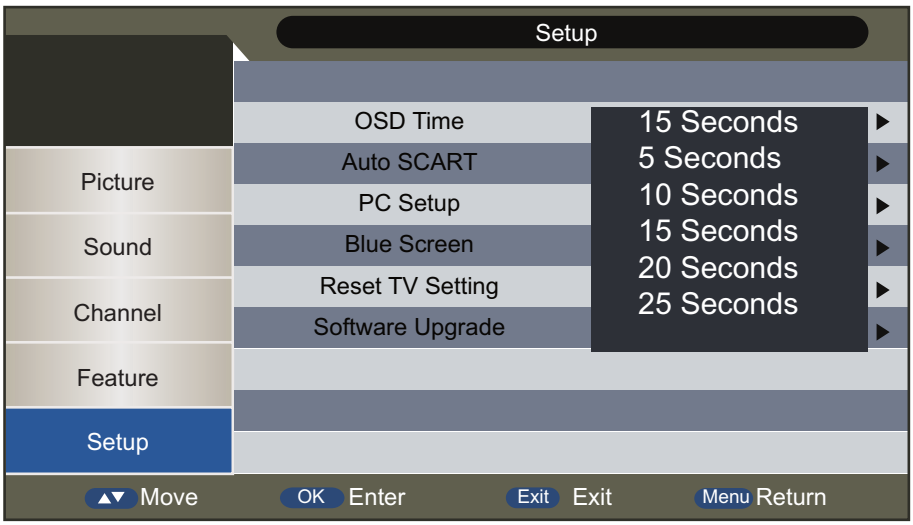
Software Upgrade

It is only used make use at usb condition,update sofware.

OSD Menu

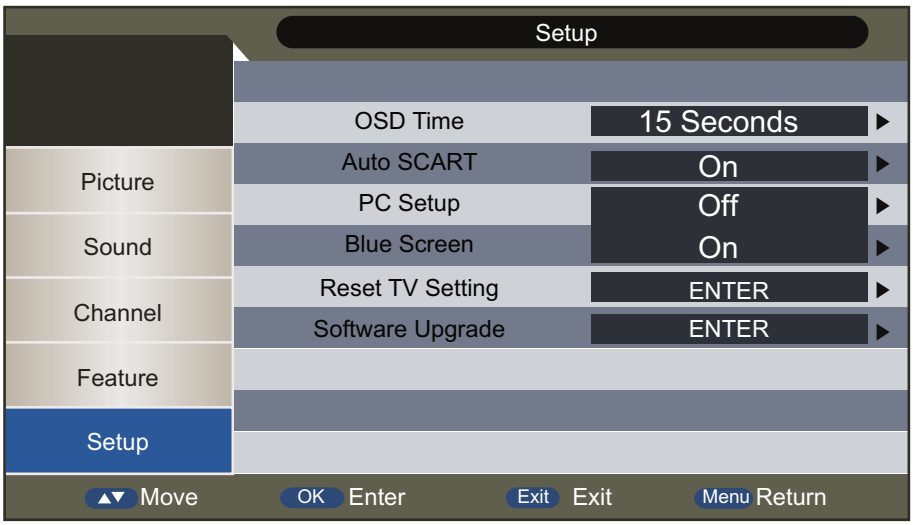
5.1 OSD Timer

Setup OSD Timer which means how long the menus will exist. The optional periods are 5,10,15,20,25,30 Seconds and Never.



5. 2 Auto SCART

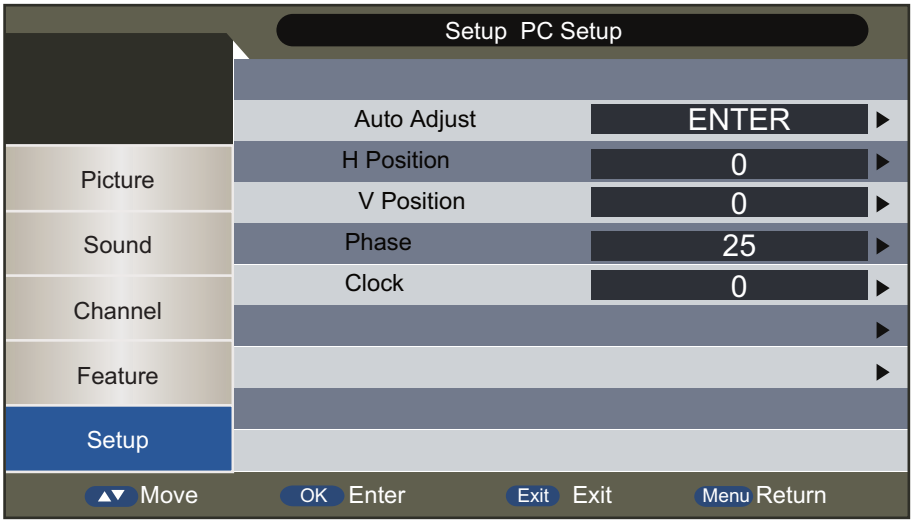
Switch for Auto SCART function.



OSD Menu

5.3 PC Setup

It is only available in PC source.



Mode-Options	Value
Auto Adjust	"OK"
H Position	-16~16
V Position	-16~16
Phase	0~31
Clock	-50~50

1) Auto Adjust
Auto Adjust the H Position, V Position,Phase,Clock.

2) H Position
Manually adjust H Position.

3) V Position
Manually adjust V Position.

4) Phase
Manually adjust Phase.

5) Clock
Manually adjust Clock.

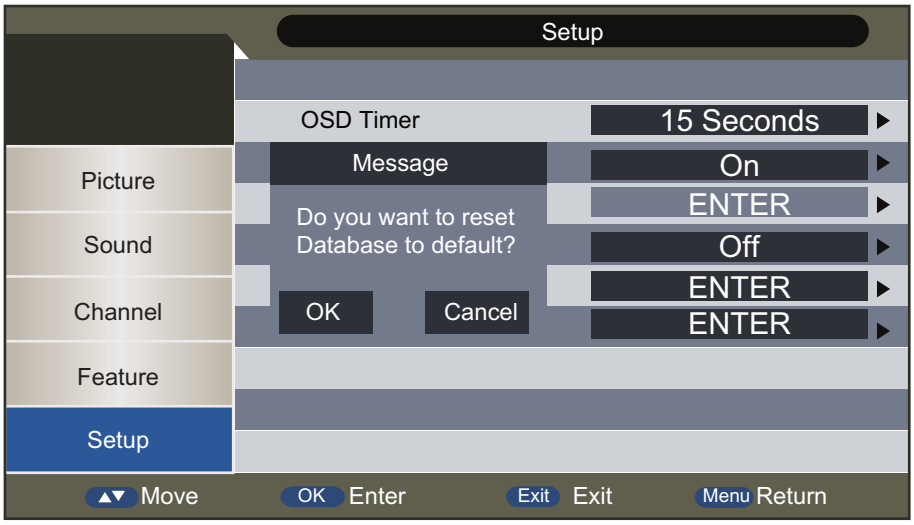
5.4 Blue Screen

It is not available in PC DTV source or when it is not movie mode in multimedia source, In TV source, If there is no signal and Blue Screen is Off, It will show snow; if there is no signal and Blue Screen is On,it will show blue screen.

OSD Menu

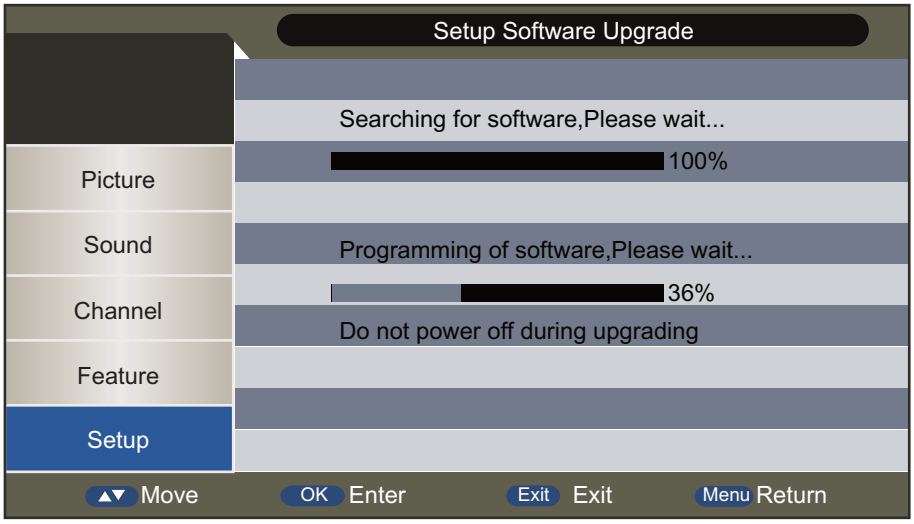
5.5 Reset TV Setting

If the Lock Channel is On in feature Menu/Lock, it needs to enter the password to enter the Reset. It will reset System Setting and Database. When the reset is complete,it will enter the Auto Installation setting page.
First,it will show a page to user to confirm.as follow:



5.6 Software Upgrade

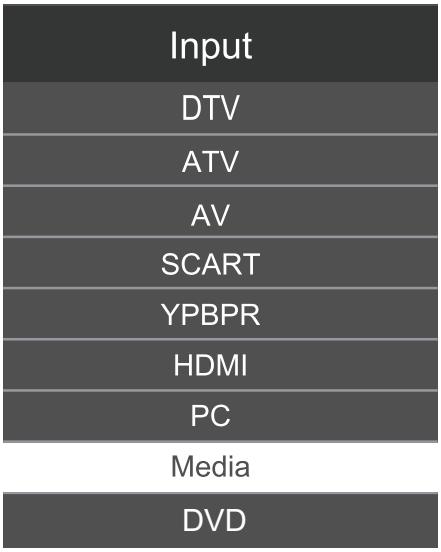
Software upgrade by bin code,Put the bin code into the root directory of the media and media plugged into the TV's USB interface,press OK key to upgrade. Don't power off during the upgrading process,The system will restarts when the upgrading process is done.

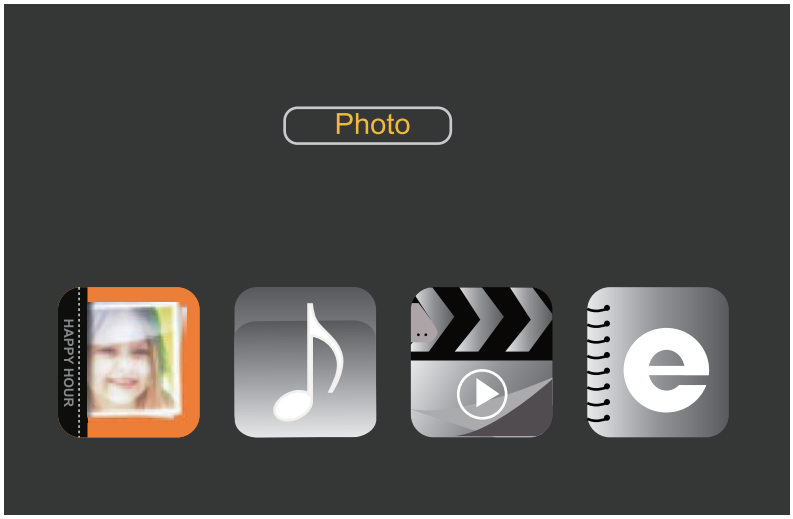


Multimedia Operation

Basic Operation

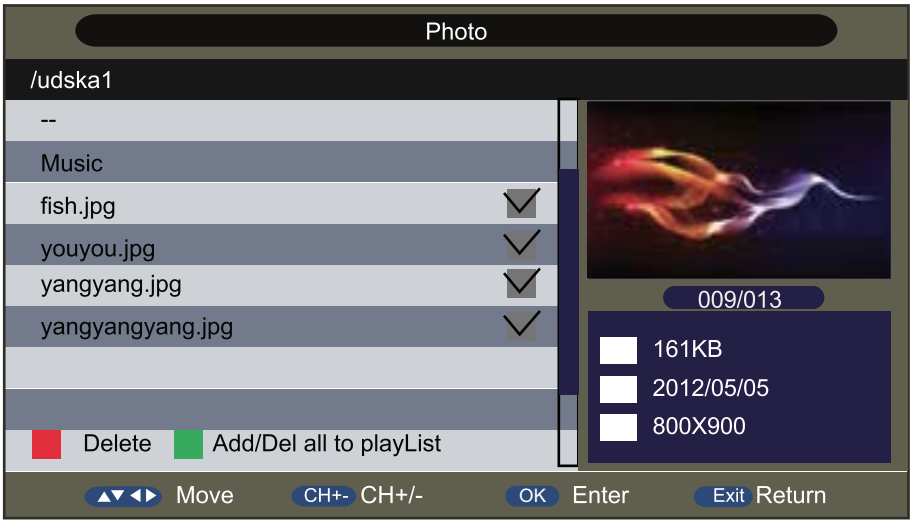
Press the **INPUT** button on the remote control to display the input source menu, select Media source by the ▲/▼ buttons, and press **OK** button to enter the Multimedia menu seen below.





Function Introduction

Highlight the “PHOTO” item in multimedia mainmenu by press “ RIGHT”/ “LEFT” key, then press “OK” Key enter photo page,as follow:



Key Operation

1) RED: Delete the focused folder/file.
2) GREEN: Add/Del all photo files to play list.
3) ENTER: Add/Del highlight files to play list.
4) CH+/-: Page up / Page downl.
5) PLAY: Play the files in play list.

Multimedia Operation

1. Photo

Photo viewing

Select one and press OK to view,and it will display all the picture in the folder automatically. press OK to display the following menu,then you can press to select them.

Press to play or pause.

Press to stop and back to the previous folder.

Press to view the previous picture.

Press to view the next picture.

Press to view the rotation picture.

Press to change the zoom mode.

Press to display the information of the current picture(Resolution/Date/Model/Size)

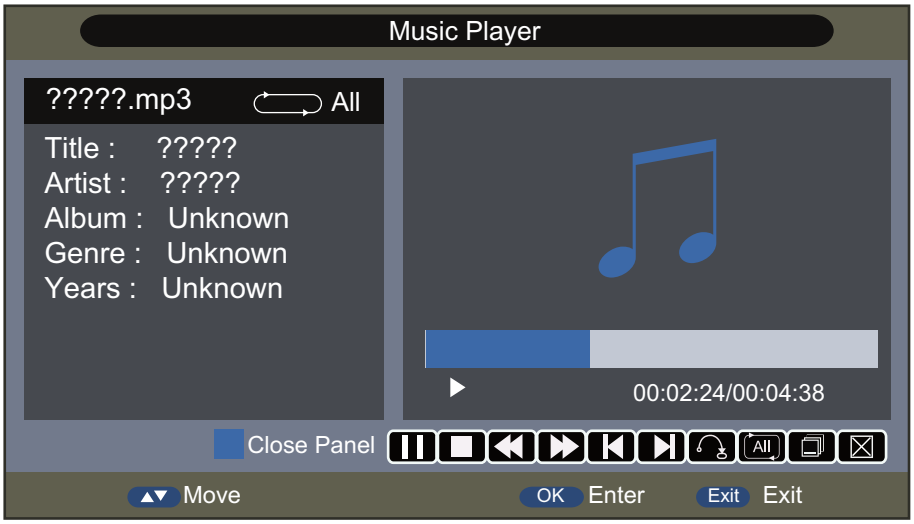
Press the photograph set to adjust the photo telecast function

Press to view the list of pictures.

Multimedia Operation

2. Music

Play the music



Same as Pause key on remote,to start playing file,or resume a paused file.

Same as STOP key on remote, to stop the playing file.

Same as ◀◀ / ▶▶ key on remote, to play fast backward or forward. The speed can switch to twice four times,eight times and xiteen times and displayed with X2,X4,X8,X16 on screen.

Same as ⏮ / ⏭ key on remote, to play the previous or next file directly.

To switch the repeat mode,including Repeat 1, Repeat All , Repeat Dirand Random modes.

Press to go the point you want to play.

To switch the window between information and Play List.

Same as BLUE key on remote to close the panel only in MUSIC mode , and then it can be opened by every key on remote.

Multimedia Operation

3. Movie

Play the movie

Press to play or pause.

Press to stop and back to the folder interface.

Press to play back faster.

Press to play forward faster.

Press to play slower.

Press to play the movie step by step.(frame by frame.)

Set A-B to play repeatly.
Press once to set A,and press again to set B,then press the third time to cancel.

Press to play the previous movie.

Press to play the next movie.

Press to view the list of movie.

Press to display the information of the current movie.

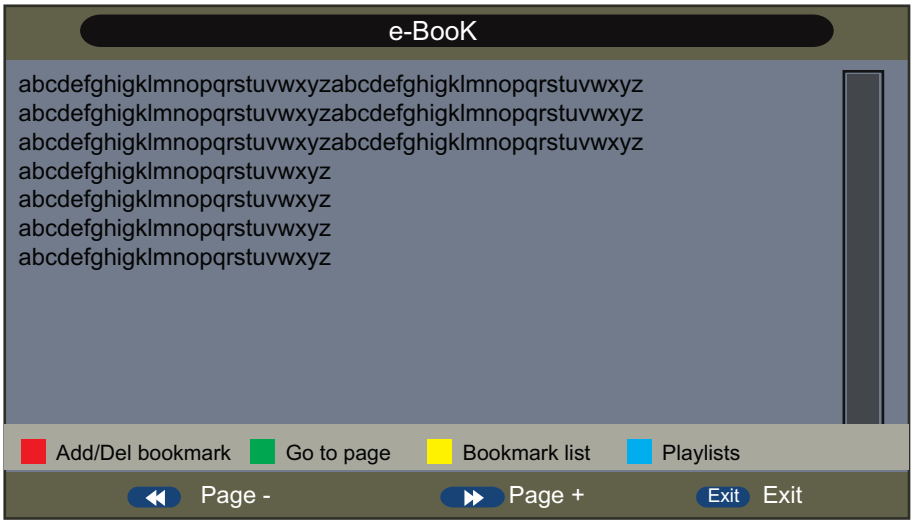
Press to Movie set up, you can adjust the movie playback capabilities.

Press to go the point you want to play.

Multimedia Operation

4. Text

View the text



Note:The*.txt file can be detected and read only.

Key Operation

RED: To add/del bookmark

GREEN: To input the page number directly

YELLOW: To enter the “bookmark list”page

◀◀ / ▶▶ : To page down/page up.

EXIT: To close the file and return to the file browser.

DVD Operation

Basic Operation

Press the Power button on the TV or the remote control, then press the INPUT button to select DVD mode.
If there is no disc in the DVD player the screen will show "NO DISC".
Insert Disc according to picture next to disc slot.
Do not touch the playing surface.
Hold the disc around the outside with your fingers and place the disc into the slot. The player will automatically draw the disc into the player.
To "Eject" the disc, press the EJECT button on the TV or the " ⏏ " button on the remote control.

DVD Setup Mode

- Setup Mode provides the menu for the configuration of General Setup Page, Audio Setup Page, Dolby Digital, Setup , Preference Page .
- Item selection in the Setup Menu is done by using the Navigation Arrows, SETUP button and the OK button.
- Press the SETUP button first , enter into SETUP menu, then press the DIRECTION RIGHT button, you can enter into the next Sub-menu.
- Press the SETUP button again to exit the Setup Menu.

General Setup

TV Display

- **4:3 pan scan**

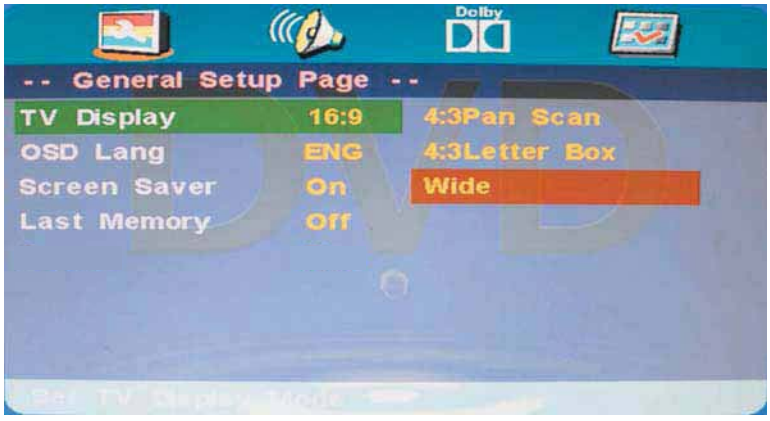
This is selected when the DVD player is connected to a normal TV. Wide-screen images are shown on the screen, but with some parts cut automatically.

- **4:3 Letter Box**

This is selected when the player is connected to a normal TV. Wide-screen images are shown on the screen, with black belt on the top and bottom.

- **Wide**

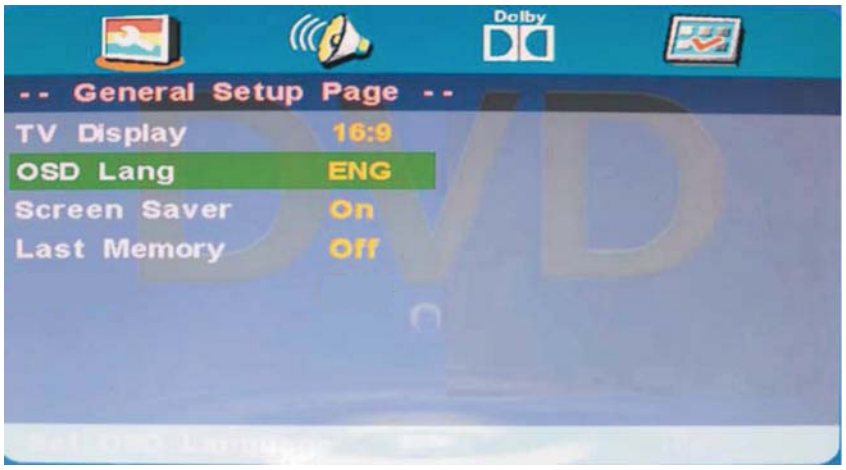
This is selected when the player is connected to a wide-screen TV.



DVD Operation

OSD Language

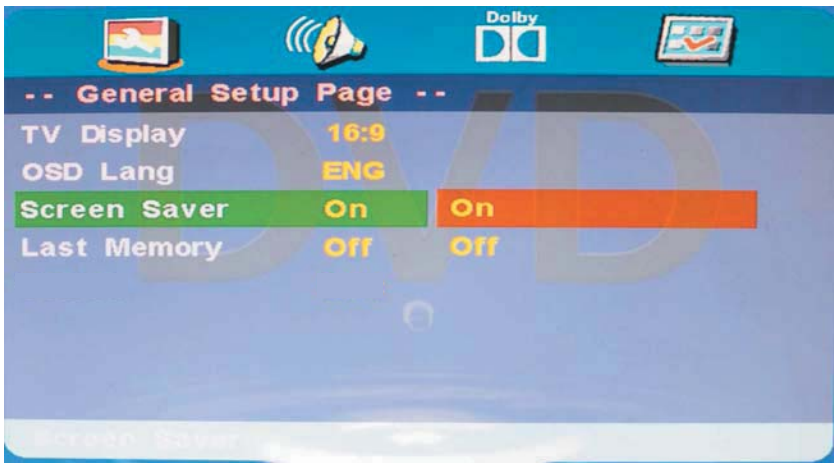
This is used to select the OSD language.



Screen Saver

Start the screen saver, the screen saver image will appear when the player stops or the picture is frozen for a few minutes. This saver can keep the screen from being damaged.

- **On** (Start the screen saver)
- **Off** (Remove the screen saver).



Last Memory

Can set the items on the last memory, "on"and "off" option.

Select "On", the shutdown will shutdown the machine before the settings for memory, re-boot the machine settings.Set near the same time.

Select "Off", every time the machine automatically switched back to the default settings

- **On** (Start the memory)
- **Off** (Remove the memory).

DVD Operation

AUDIO Setup

• **Speaker Setup**

In the “Audio Setup page” press “▼” button to select “Speaker Setup” item, press the “OK ENTER” or “►” button (play) into the “Speaker Setup Page”.

DVD Operation

Downmix

• LT/RT

A disc recorded multi channel soundtrack, the output signal will be incorporated to left and right channel.

• Stereo

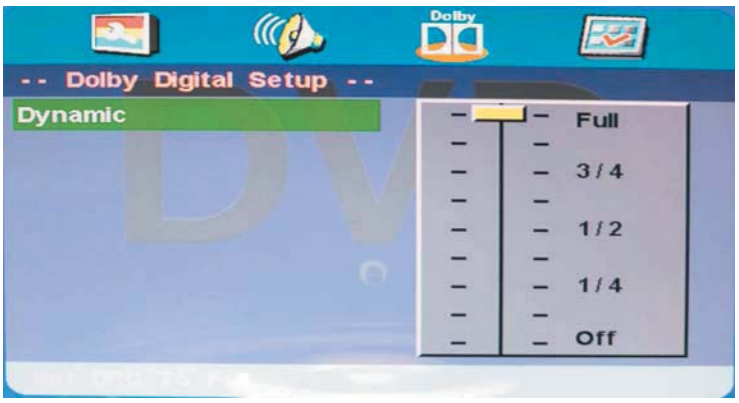
A disc recorded multi channel soundtrack, The output signal will be incorporated to stereo.

DVD Operation

Dolby Digital Setup

Dynamic

This option is used to set the compression ratio in order to control the sound (Volume) contrast.



You must press **STOP** twice to enter Preference Page or NO disc

TV Type

- **PAL**

This is selected when the player is connected to an PAL System TV.

- **MULTI**

The player will set the TV system according to the disc in the tray.

- **NTSC**

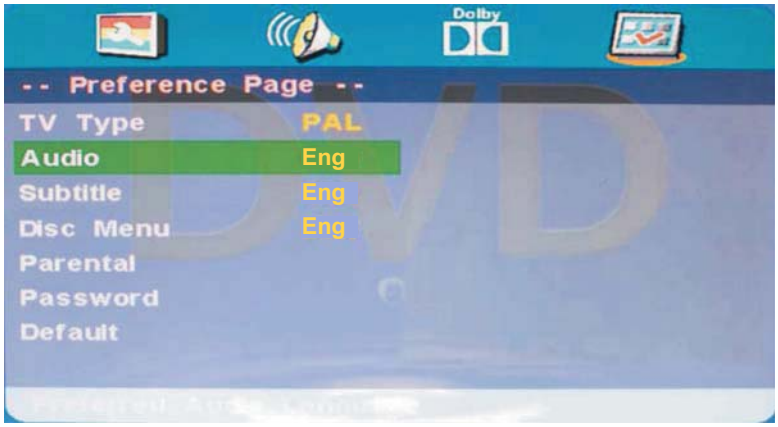
This is selected when the player is connected to a NTSC System TV.

Preference Setup

Audio

If a language listed below is recorded on the disc, you can play the sound in such language.
If not, the language recorded will be used.

DVD Operation

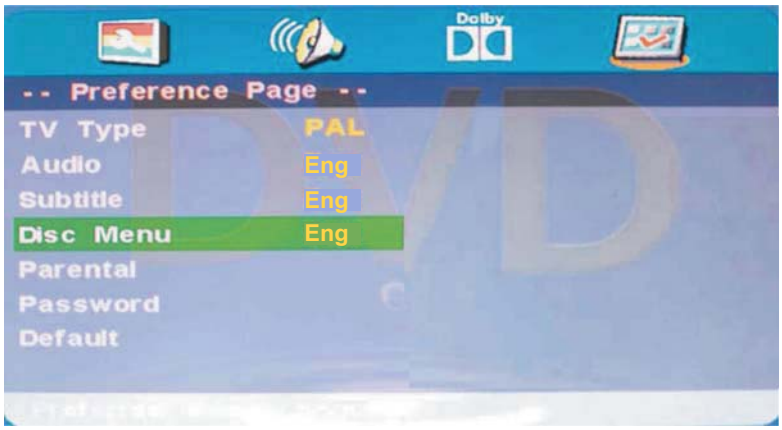


Subtitle

If a language listed below is recorded on the disc, you set the subtitle to be displayed in such language. If not, the language recorded will be used.

Disc Menu

If a language listed below is record on the disc, you can set the Menu to be displayed in such language. If not, the language recorded will be used.



DVD Operation

Parental

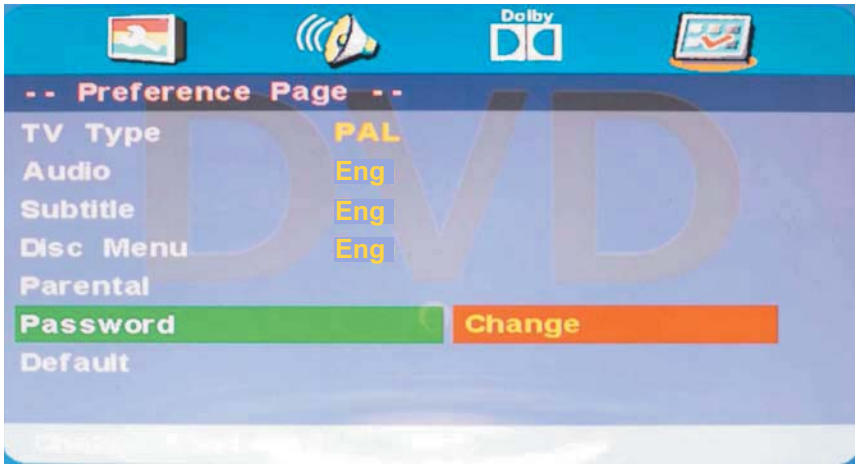
When playing disc with parental lock function, you may select an Age Control Grade according to grade of disc and your own preference. For example, if PG is selected, DVD Video disc rated higher than the PG grade cannot be played.

- **KID SAFE**
- **G**
- **PG**
- **PG 13**
- **PGR**
- **R**
- **NC 17**
- **ADULT**

Password

User can change the password that is required when the user wants to change the Age Control Grade in the Parental Lock function.

NOTE:(Default password is 123456)



DVD Operation

Default

User can load the original factory setting by choose RESET and press OK button .

USB MULTIMEDIA PLAYBACK FORMAT

Type	Container	Video Decoder	Max Resolution
MOVIE	AVI	MPEG-4 ASP H.264 WMV 9 / VC - 1	1920 x 1080
		MPEG-4 SP	CIF (352 x 288) QCIF (176 x 144)
		MJPEG	1280 x 720
	MPEG 1/2	MPEG-1 Video MPEG-2 Video	1920 x 1080
	MPEG4	MPEG-2 Video MPEG-4 ASP H.264 MJPEG H.264	1920 x 1080
	WMV	WMV 9 / VC-1	1920 x 1080
	RealMedia	RV30 / RV40	1920 x 1080
	Flash	Sorenson H.263 H.264	1920 x 1080
	QuickTime	MPEG-4 ASP H.264 MJPEG	1920 x 1080
	ASF	WMV3 / WVC1 MP4S / M4S2	
	Matroska Video	MPEG-2 Video MPEG-4 ASP H.264 RV30 / RV40 WMV9 / VC-1	1920 x 1080
	TS Stream	MPEG-2 Video H.264 WMV 9 / VC-1	1920 x 1080

USB MULTIMEDIA PLAYBACK FORMAT

Type	Container	Video Decoder	Max Resolution
PHOTO	JPEG		165370
	Progressive JPEG		61648
	BMP		101439
	PNG		101439
	GIF		
	TIFF		
MUSIC	WAVE	LPCM ADPCM	
	WMA	WMA STD WMA Prof	
	AAC	AAC-LC / HE-AAC	
	MPEG	MP1 MP2 MP3 AAC-LC HE-AAC	
	Read Audio	AAC / HE AAC Cook	
	Ogg	Vorbis	
	FLAC	FLAC	

Special Note：

1) USB only support PHOTO, MUSIC and MOVIE. The system automatically classified files, only show the supported files.

2）Support hard disk，the maximum storage capacity is **1T**.

3) Photo Not support EXIF format.

4) Flash non-support animation.

5) Support for text files.

Simple Troubleshooting

If the display fails or performance dramatically deteriorates check the Display in accordance with the following instructions.Remember to check the peripherals topinpiont the source of the failure.
If the display still fails to perform as expected,connect your helpline for assistance.

No power
- Check all connections to the TV.
- Press either the power button or the Standby button on the Remote control.

No picture or sound
- Ensure that the TV is plugged in and the power is on.
- Ensure that the aerial is connected.
- Try a different program.

Poor picture quality
- Check the aerial connections.
- Check that the channel is tuned in properly.
- Adjust the picture settings:brightness,color,sharpness,contrast,hue.
- Make sure that the TV is not located close to electrical appliances that may emit radio frequency interference.

No colour
- Adjust the color setting.
- Check that the programme is broadcast in color.
- Check that the channel is tuned properly.

TV does not respond to remote control
- Check that there are no obstructions between the remote control and the unit.
- Check that the remote control is within range of the unit.
- Check that the batteries in the remote control and not weak or exhausted.

This LED TV is for household use and registered as harmless on electromagnetic waves. Therefor,you can use it in every location as well as residential areas.

SPECIFICATIONS

Model		FL-23150D
LED Panel	**Panel Size**	23 " Widescreen TFT LED
	Resolution	1920×1080 Pixel
	Brightness	450 cd/m^2
	Viewing Angle	160°/160°
Contrast Ratio		1000:1
Input Connector	**mini AV**	1
	mini YPBYR	1
	CI Slot	1
	PC/AUDIO	1
	HDMI	1
	RF	1
	VGA	1
	SCART	1
Output Connector	**Coaxial**	1
	Earphone	1
USB		1
Power Source		12V ⎓ 3A
Standby Power Dissipa		<0.5W
Power Consum		<36W

🕮 Design and specifications are subjectt o change without prior notice.

🕮 Weight and dimensions are approximate.

Notice about recycling

Your product is designed and manufactured with high quality materials and components which can be recycled and reused.
This symbol means that electrical and electronic equipment, at heir end-of-life, should be disposed of separately from your household waste.
Please dispose of this equipment at your local community waste collection/recycling centre. In the European Union there are separate collection systems for used electrical and electronic products.
Please help us to conserve the environment we live in!

Declaration of Conformity

This product complies with the requirements of the directives
EMC-Directive: 2004 / 108 / EC
Low Voltage Directive: 2006 / 95 / EC
CE Marking Directive 93/68/EEC
Ecodesign Directive 2009 / 125 / EC
Energy Labelling Regulation (EU) 1062/2010
declare that reference model
is in compliance with the following norms:
συμμορφώνεται με τα παρακάτω πρότυπα:
EN55013 + A2:2010
EN55020:2007
EN61000-3-2 + A2:2009
EN61000-3-3:2008
EN 60065:2002 + A1:2006 + A11:2008
IEC62321: 2008

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